USAFETAC/TN—94/004

CLIMATE AND WEATHER

of

CENTRAL AFRICA

=EXECUTIVE SUMMARY=

by

Kenneth R. Walters, Sr
Capt Christopher A. Donahue
Capt Gary L. Welch
SSgt Andrew C. Henderson

AUGUST 1994

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859 Buchanan Street
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TERRY LAING, Lt Col, USAF
Chief, Operations Division

KENNETH R. WALTERS, Sr
Lead Writer

FOR THE COMMANDER

CAROL L. WEAVER, PhD
Scientific and Technical Information
Program Manager
15 August 1994

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13. Abstract: A brief executive summary that describes the weather and climatology of Central Africa, an area that comprises Kenya, Tanzania, Uganda Rwanda, Burundi, and Zaire. For the purposes of this study, Zimbabwe (in southern Africa) has been added. Appendices provide summarized airfield weather data, paradrop weather, and cloud ceiling frequencies.

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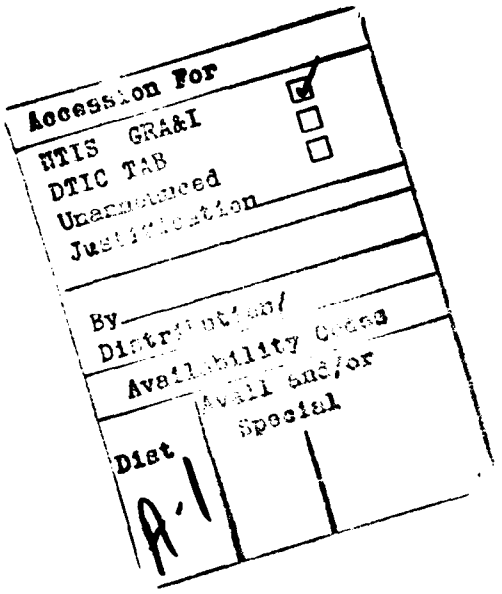
PREFACE

This summary was requested by the U.S. European Command (USEUCOM) staff to assist in planning for Operation SUSTAIN HOPE, which began on 22 July 1994. The study begins with a general summary of climate and weather across Central Africa, then provides similar summary for each of the individual countries it comprises. Appendices include all available summarized airfield weather observations, paradrop weather, upper winds and temperatures, and areal low-cloud ceiling frequencies. Much of the information in this summary was extracted from USAFETAC/TN—92/006, *Climate and Weather of the Horn of Africa—Executive Summary,* supplemented with information taken from draft regional climatologies for Southern and Equatorial Africa, both in preparation. Data in the appendices was prepared specifically for this study.



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CLIMATE AND WEATHER OF CENTRAL AFRICA

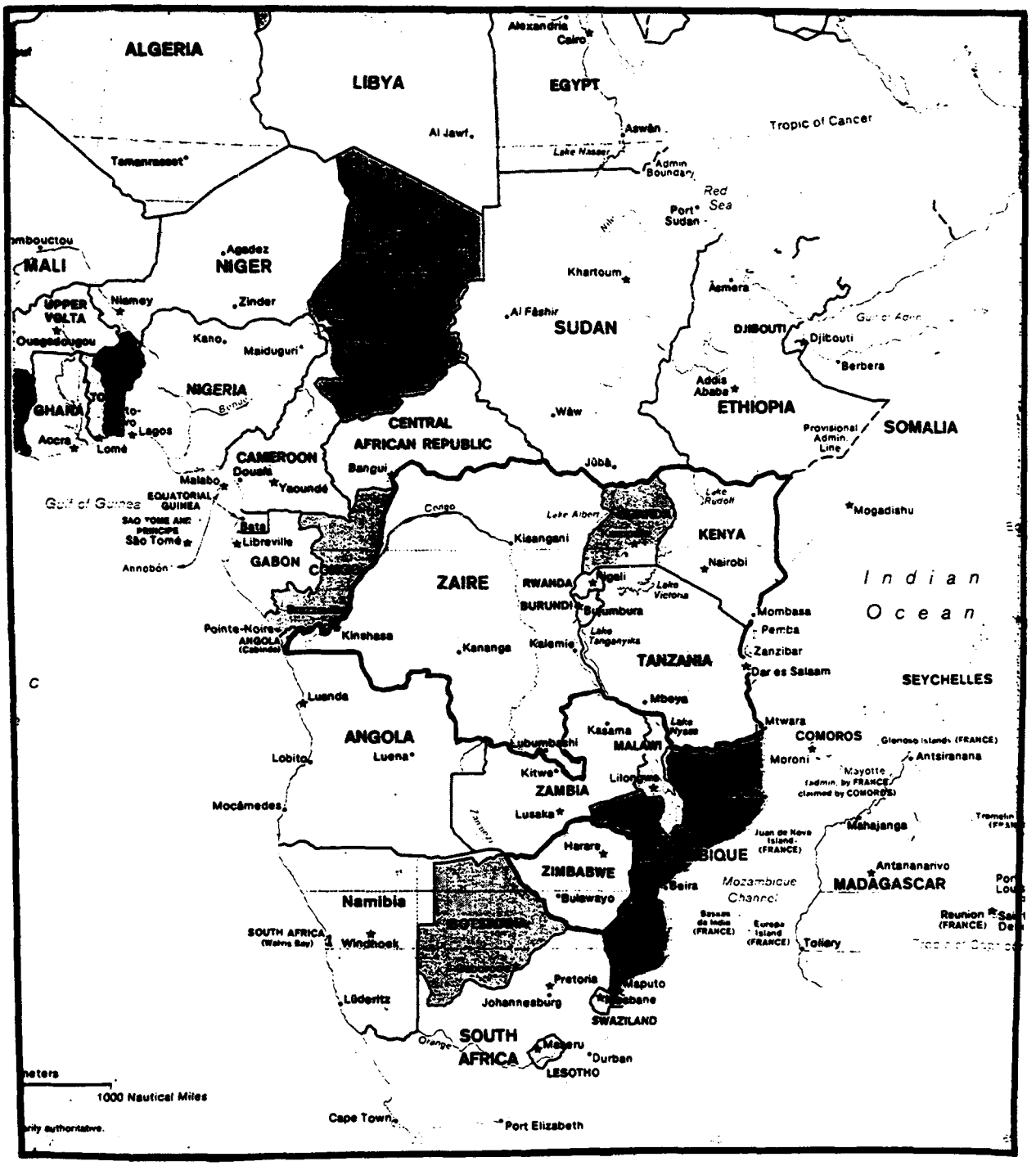

Figure 1. The region (outlined) generally known as "Central Africa" comprises the countries of Kenya, Tanzania, Uganda, Rwanda, Burundi, and Zaire. For the purposes of this study, the southern African country of Zimbabwe has been included. (Map courtesy Central Intelligence Agency.)

CLIMATE CONTROLS

Weather across Central Africa is controlled by the north-south oscillation of the Near Equatorial Trough (NET), also known as the Intertropical Convergence Zone (ITCZ) or Monsoon Trough. Figures 2 through 13 show the *mean* monthly positions of the NET and associated thunderstorm activity. NET passage (either north or south) at any given location varies markedly from year to year. As a result, the frequency of shower or thundershower activity also varies greatly from one year to another. Additionally, orographic lifting of moist South Atlantic Ocean or Indian Ocean air may cause isolated thunderstorms or showers to begin or persist well after cessation of the shower activity in the rest of the region. The Great Rift Valley ridges and the Kenya Highlands—especially in the higher mountains—are two known examples of such regions. Lake Victoria's "lake breeze" causes almost year-round thunderstorm and shower activity over an area from northwest through just east of the lake. The "Congo Air Boundary"—the meeting zone between air from the South Atlantic Ocean and the Southwest Indian Ocean—causes much of the abnormally heavy showers and thundershowers of the Zaire Basin and the western mountains of the Great Rift Valley.

- In January, Zaire and Uganda are affected by northern hemisphere frontal systems; precipitation—mostly heavy showers or thundershowers—falls in central and southern Zaire, in central and southern Uganda, over most of Tanzania, and over all of Zimbabwe. The NET lies northwest to southeast across northeastern Zaire, down the Great Rift Valley and along extreme eastern Zimbabwe. The rest of the region, under the influence of the Northeast Monsoon until late February or early March, is hot and dry.

- Between March and April, the NET moves rapidly northward, reaching southern Sudan and extreme northern Kenya by 1 April. By 1 May, it has reached a line that lies across central Sudan, northeast Ethiopia, and northern Somalia. By 1 July, the NET lies across extreme northern Sudan and northern Yemen.

- At the same time, the Congo Air Boundary (CAB) moves northwestward into extreme southern Zaire. By 1 June, it moves into southeastern Zaire. By early July, it lies west-southwest to east-northeast from just north of Kinshsa, Zaire, to just north of Burundi. Squall lines form just north of the CAB in northeastern Zaire and move westward across Zaire.

- Onset of the Somali Jet occurs over Kenya in April after northward NET passage. This low-level, high-speed band of southern hemisphere air streams north, then northeast, across eastern Kenya, Somalia, and offshore southeast of Yemen and the Arabian Peninsula. It is a dominant feature of the Southwest Monsoon. It is strongest in July and August, but it weakens by mid-September and disappears in late October as the NET moves south into central Somalia.

- In early September, the NET reverses direction and begins to move south, cutting off the moist southern hemisphere air that fuels extensive rainshowers and thunderstorms south of the NET. By about 1 November, the NET reaches southern Sudan, Southern Ethiopia, and central Somalia. It moves into southwestern Zaire by mid December to complete the annual cycle.

- The northerly to northeasterly low-level winds northeast of the NET as it moves south bring good weather within 2 to 3 weeks of NET passage. There is an exception: In Kenya just east of Lake Victoria, thunderstorms form year-round because of a complex lake breeze (similar to the sea breeze in coastal areas) that forces warm moist air up the mountains of western Kenya.

SIGNIFICANT WEATHER

● Air operations in Kenya and Uganda are restricted near NET passage. They are also restricted over the Great Rift Valley and Zaire during much of the year. Specifics are addressed in individual country discussions.

● Isolated showers and thundershowers continue to occur in and near Lake Victoria, over the mountains surrounding the Great Rift Valley, in/near the Kenya and Tanzania plateau, and over the Central Zaire Savannah. Late night and early morning low clouds are common at mountain airfields during rainy seasons.

● Sea transport in and out of Kenyan and Tanzanian harbors is difficult from May through early October due to strong surface winds and high seas associated with the Somalia jet, which routinely produces strong low-level wind shear and moderate turbulence or greater over Tanzania, Kenya, and the western Indian Ocean. The jet's position and wind speeds in early August are shown in Figure 14; Figure 15 shows the strongest known winds.

● The favored tracks for rare tropical storms are east of Madagascar. Isolated storms may enter the northern Mozambique channel in April and May and from September through December. They recurve and move southeast south of Madagascar, producing high seas and waves along the Kenyan and Tanzanian coasts.

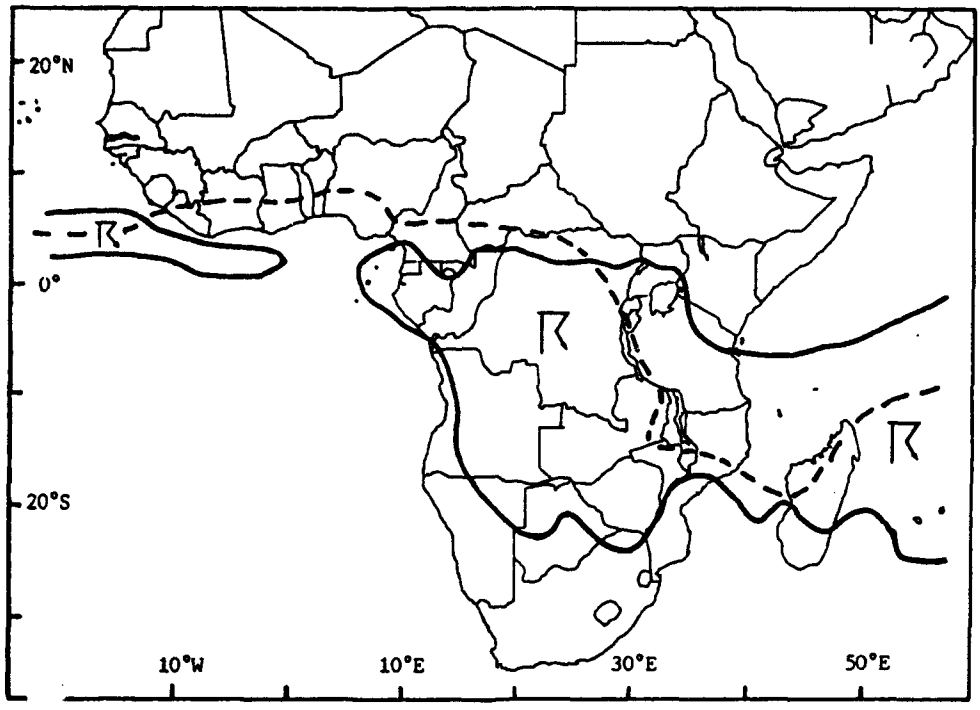

Figure 2. Mean January Position of the NET and Associated Thunderstorms. Thunderstorms are confined to Lake Victoria and the area around it.

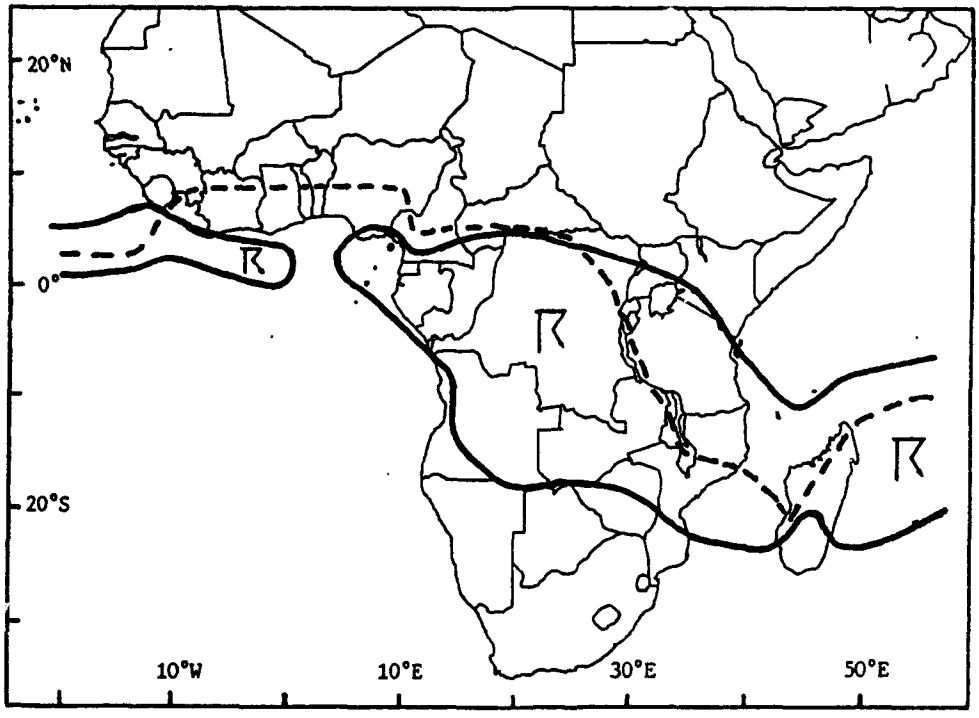

Figure 3. Mean February Position of the NET and Associated Thunderstorms. Thunderstorms have spread northeast into extreme southwestern Kenya.

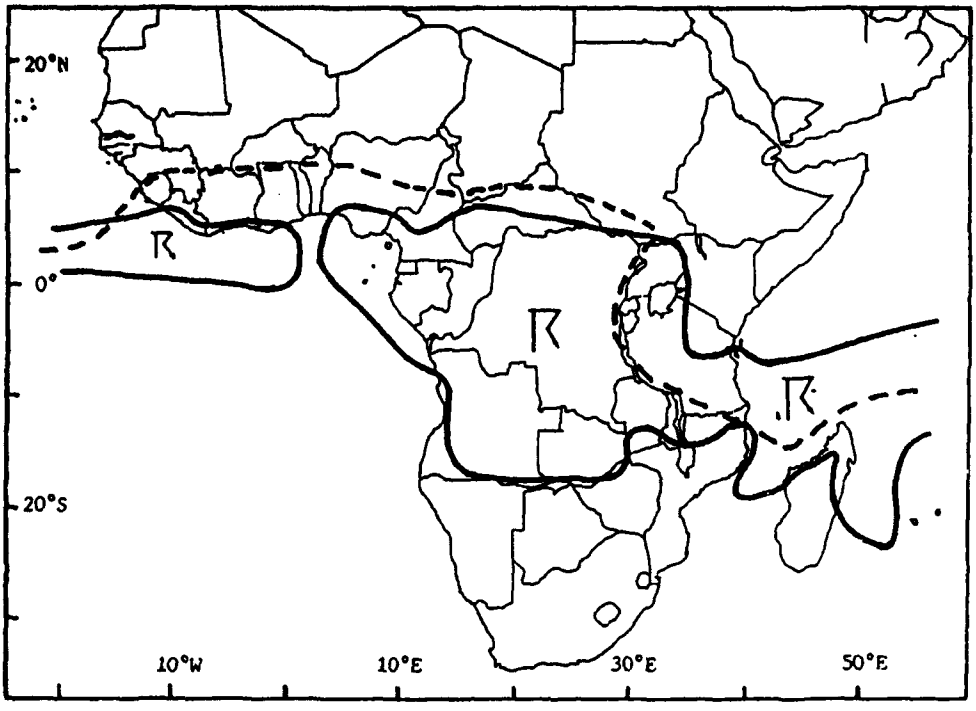

Figure 4. Mean March Position of the NET and Associated Thunderstorms. Thunderstorms are still confined to western Kenya.

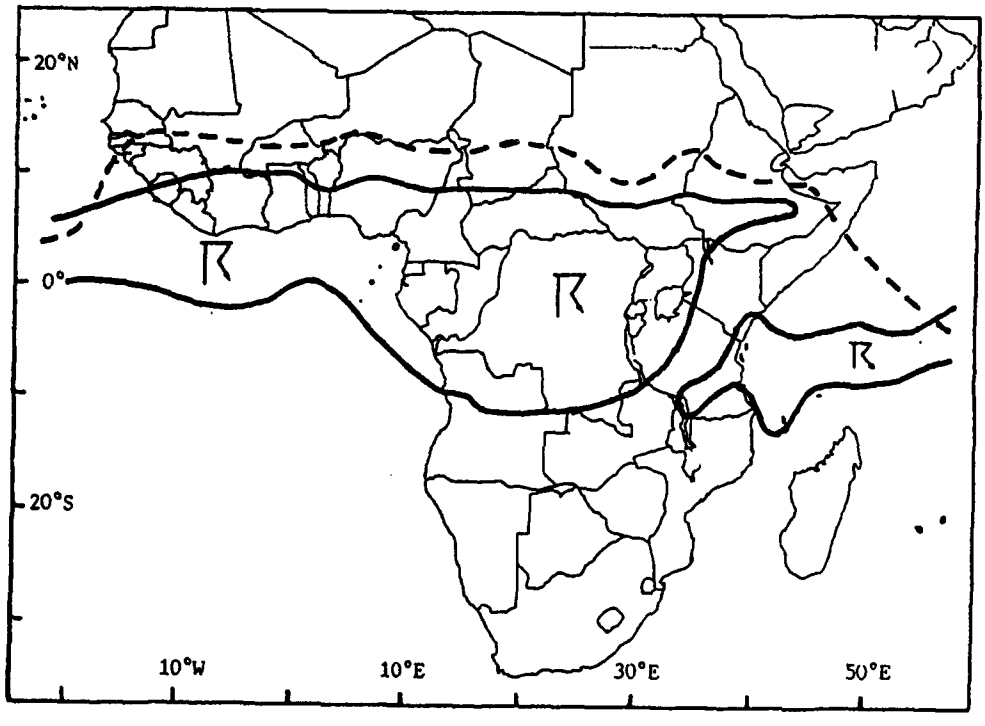

Figure 5. Mean April Position of the NET and Associated Thunderstorms. Thunderstorms have now spread into southern Sudan, southwestern Ethiopia, and southwestern Kenya.

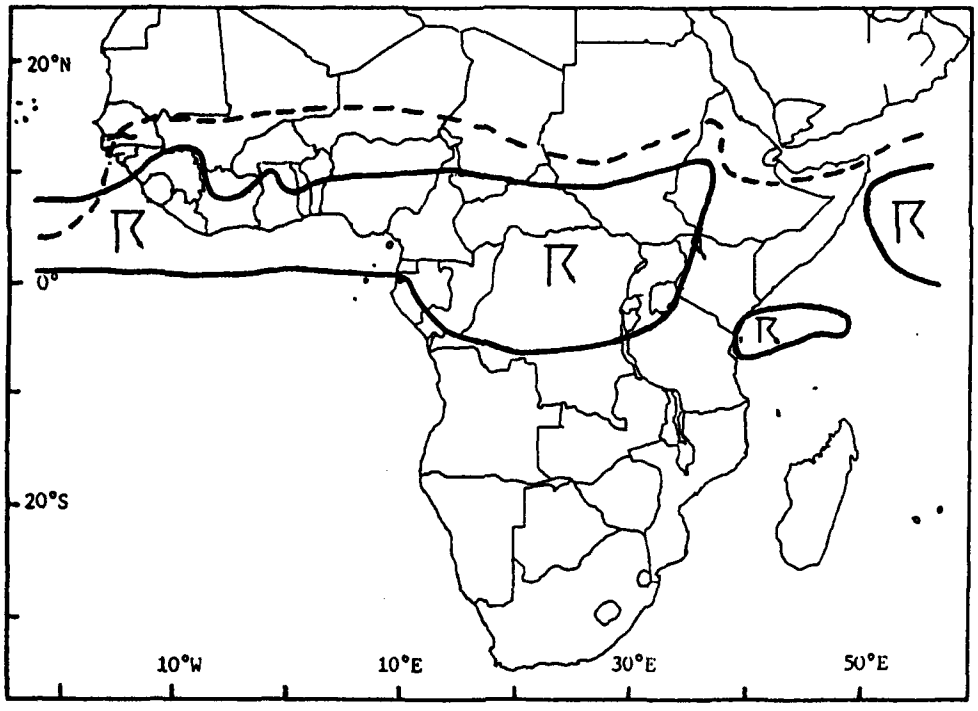

Figure 6. Mean May Position of the NET and Associated Thunderstorms. Thunderstorms are now common off the Kenyan coast, as well as in southern Sudan and southern Ethiopia.

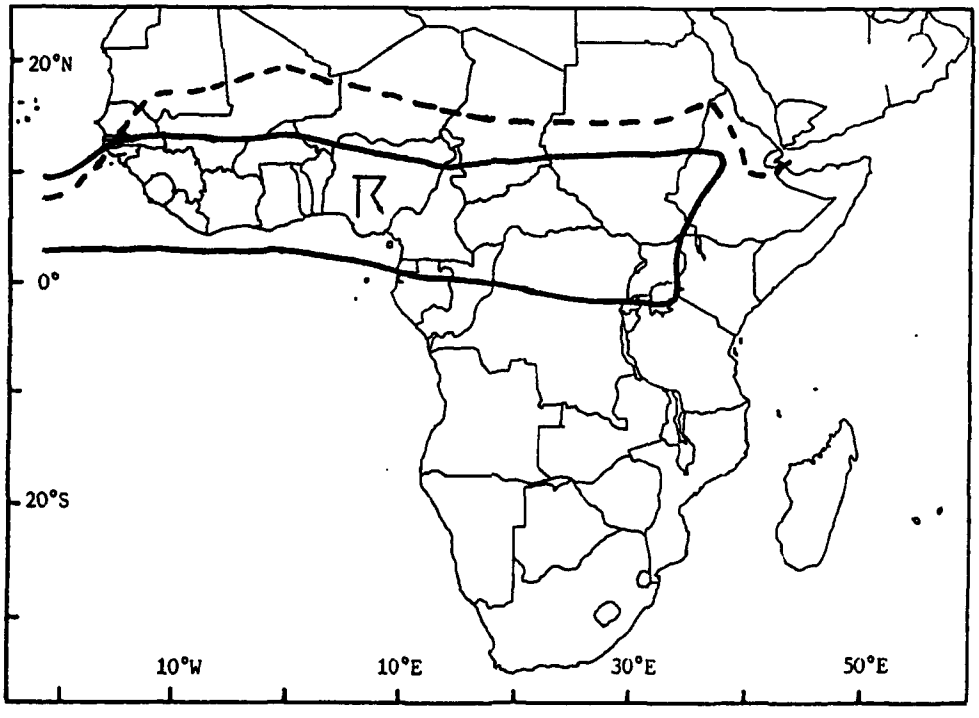

Figure 7. Mean June Position of the NET and Associated Thunderstorms. Thunderstorms are still common over southern Sudan and southwestern Ethiopia.

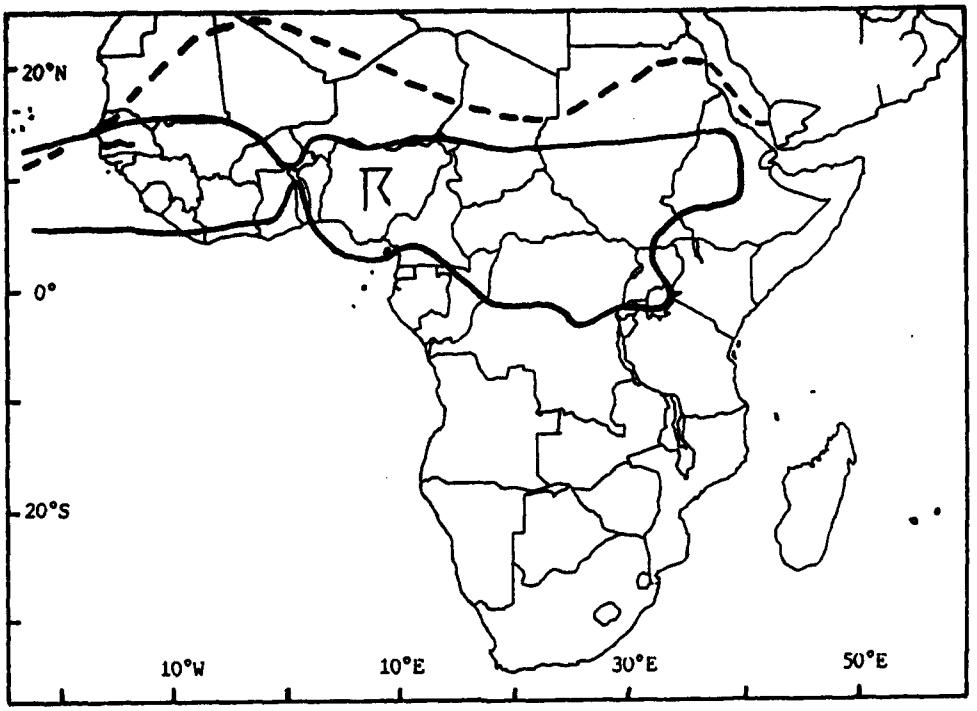

Figure 8. Mean July Position of the NET and Associated Thunderstorms. Thunderstorms remain common over southern Sudan and western Ethiopia.

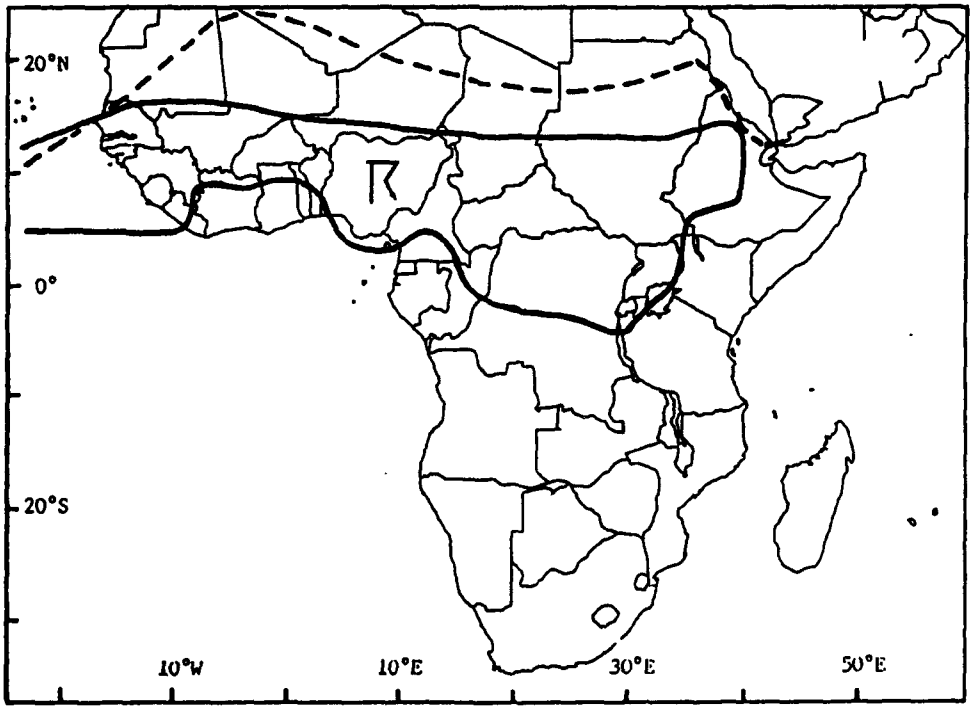

Figure 9. Mean August Position of the NET and Associated Thunderstorms. Thunderstorms still occur over southern Sudan and western Ethiopia.

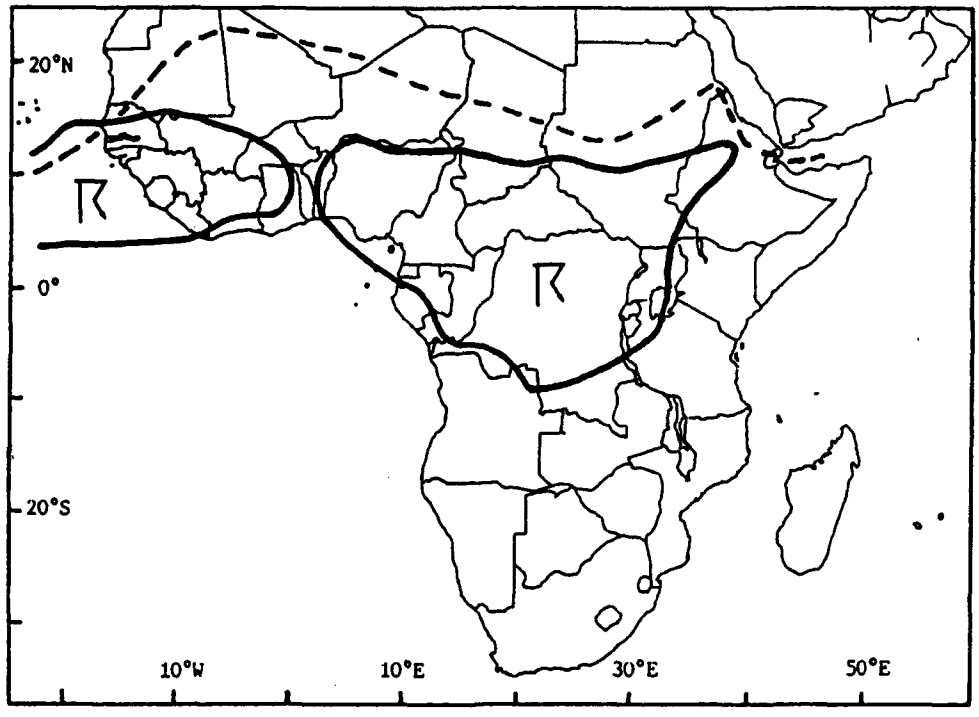

Figure 10. Mean September Position of the NET and Associated Thunderstorms. Thunderstorms slowly begin to recede south and west over Sudan and Ethiopia.

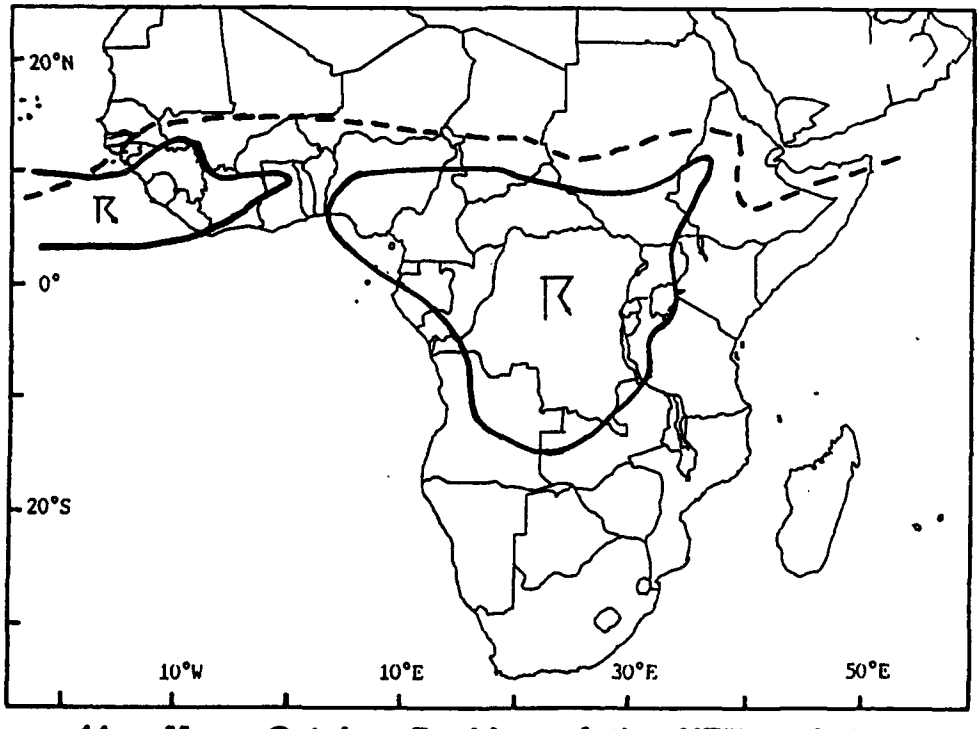

Figure 11. Mean October Position of the NET and Associated Thunderstorms. Only extreme western Ethiopia and the southern quarter of Sudan still have thunderstorms.

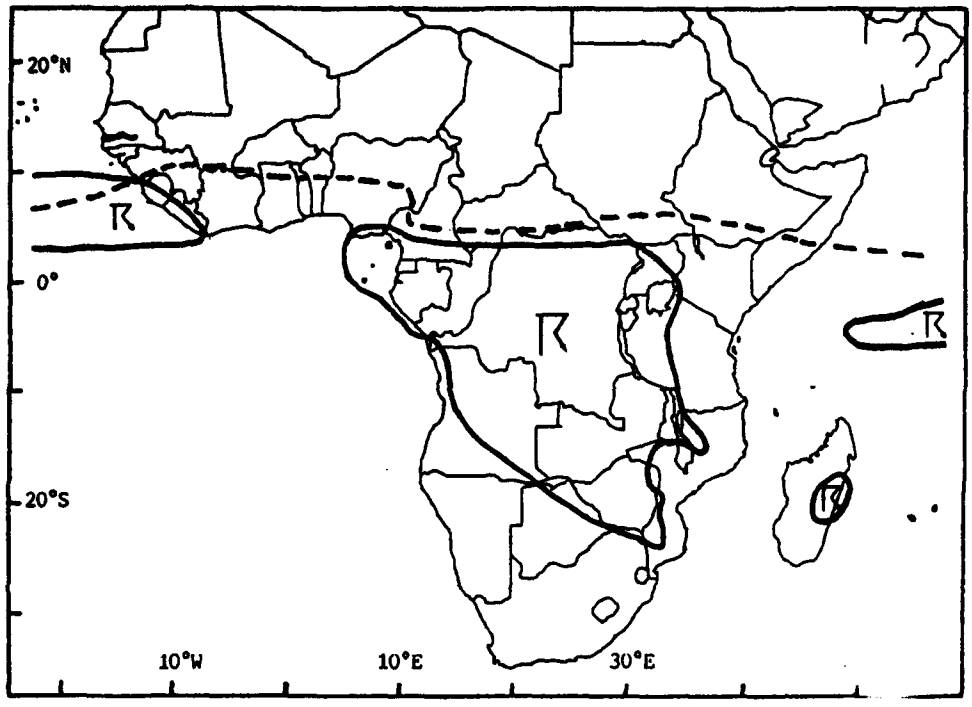

Figure 12. Mean November Position of the NET and Associated Thunderstorms. Widespread thunderstorms are confined to extreme southwestern Kenya.

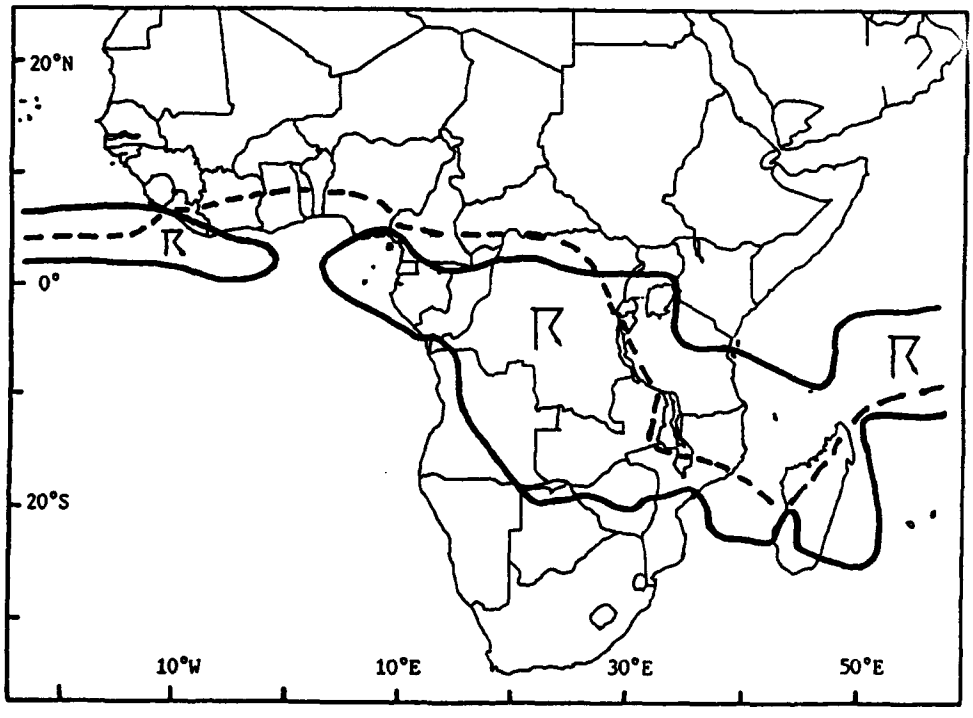

Figure 13. Mean December Position of the NET and Associated Thunderstorms. Thunderstorms remain confined to the Lake Victoria region.

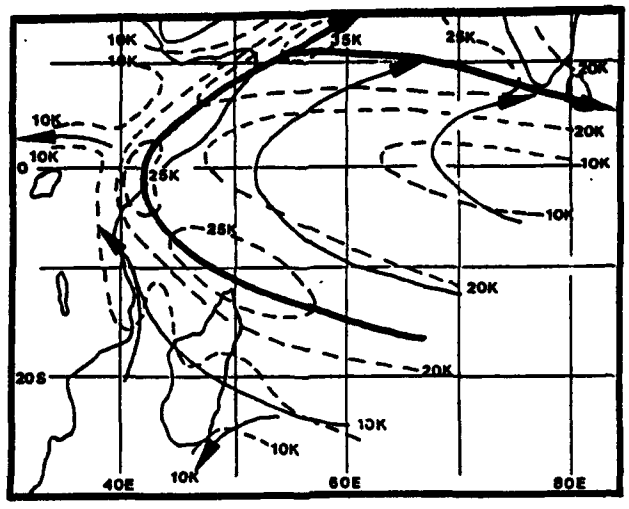

Figure 14. Mean early August 3,000-foot (900-meter) Flow. Solid Lines are streamlines; the thicker line indicates the Somali Jet core. Dashed lines are isotachs in knots.

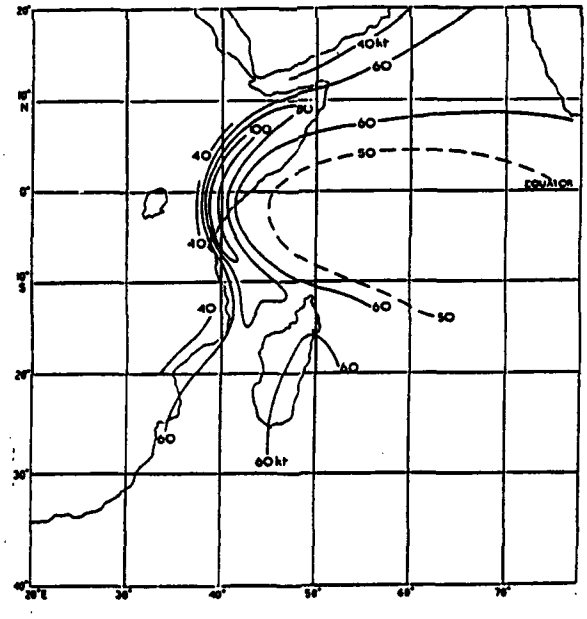

Figure 15. Maximum Observed Wind Speeds Associated with the Somali Jet. The highest speeds are found between 2,000 and 8,000 feet (600 and 2,400 meters).

KENYA CLIMATE AND WEATHER

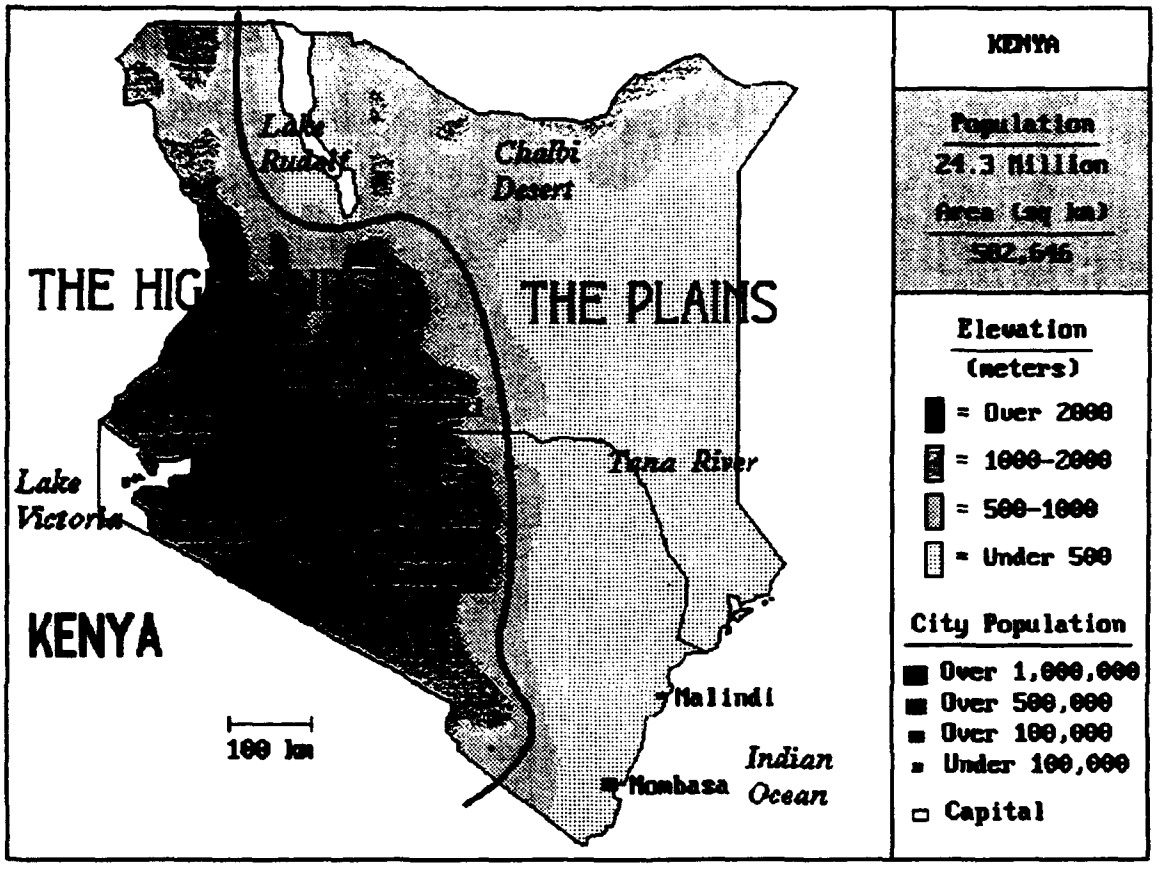

Figure 16. Kenya country map. Kenya is divided into two climatic regions, as shown. Weather in these regions reflects the combined influences of the dual passage of the NET, the rising terrain westward, and the effects of the Indian Ocean.

KENYA GENERAL WEATHER. Night and morning low clouds form 1,500- to 2,500-foot (400- to 600-meter) ceilings all year. Nocturnal fog and fog banks along the coast and near rivers routinely reduce visibilities to less than 3 miles. Ceilings in showers and thundershowers may go as low as 100 feet (30 meters) and 1/4 mile (400 meters).

KENYA SEASONAL WEATHER. Highland locations and Lake Victoria do not necessarily conform to the seasonal regimes discussed separately below because of rainfall enhancement from moist Indian Ocean Air lifted over ridges. The Central Mountains have their wettest season during northern hemisphere summer, but the extreme north is wettest in March and April. Lake Victoria has no dry season; a complex series of airflow interactions ensures that showers and

thundershowers—many producing hail—occur all year long on the Kenyan side of the lake. Late December through February and August through mid-October are the two "drier" seasons between the two primary wet seasons on the plains. During these spring and fall wet seasons, showers and thundershowers become widespread, especially in the afternoon and at night. Thunderstorm tops can reach 60,000 feet MSL. The spring wet season produces the most rainfall over the northeastern plains, but by the end of the fall rains, most falls over the southwestern plains. Onset, strength, and duration of these rains are extremely variable from one year to the next. Flash flooding is a problem during the rainy seasons.

Northeast Monsoon (Late December-February). Drier, more stable, air is brought inland by northeasterly winds. Only widely isolated afternoon showers, or an occasional thundershower, form over higher terrain; otherwise, showers are rare. High temperatures range from the mid 80s (° F) to the mid-90s; lows are in the mid-60s or low 70s.

Spring ("Long") Rains (March-July). Showers and thundershowers are widespread. The Somali low-level jet forms over extreme eastern Kenya by late April and persists through July. The wind-speed core altitude ranges from 3,000 to 7,000 feet; peak speeds exceed 50 knots. Moderate to severe turbulence occurs within 35 to 50 miles horizontally and 2,000 to 6,000 feet vertically of the core. High temperatures are in the mid-80s (° F); lows are in the low 70s.

Southeast Monsoon (August-Mid October). The Somali low-level jet persists until late September. Showers and thundershowers decrease in coverage and frequency, but both increase in mid- to late October. High temperatures drop to near 80° F; lows are in the upper 60s.

Fall ("Short") Rains (Late October-mid December). Actual rainy season length on the plains is between 4 and 6 weeks at any one spot. High temperatures are in the upper 80s (° F); lows are near 70.

TANZANIA CLIMATE AND WEATHER

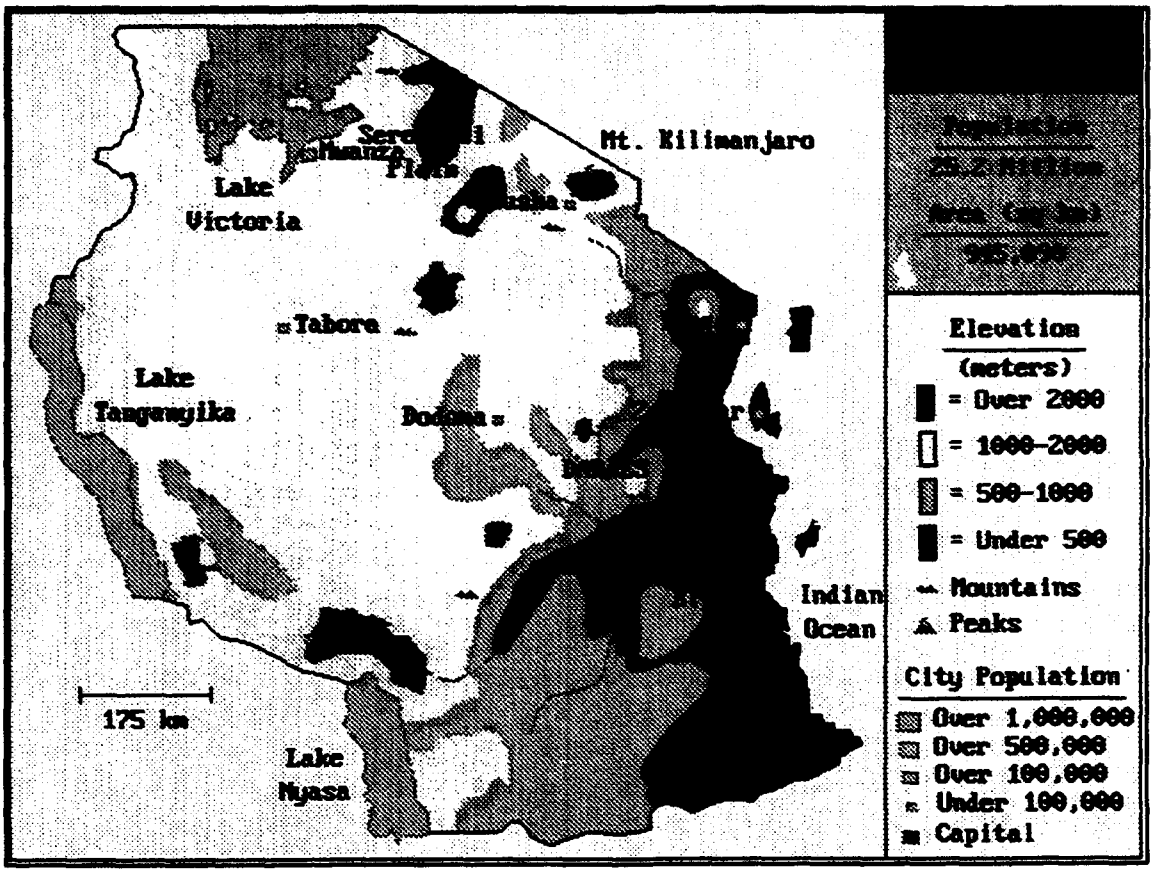

Figure 17. Tanzania country map. Tanzania lies within the Great African Rift System. The central and western parts are characterized by large basins, plains, and river valleys. The Lake Victoria basin is in the northern portion. The Great Rift Valley, which lies along the western border, is 40 miles wide and bounded by escarpments 4,000 feet high. The valley floor is dotted with small lakes and inactive volcanos with steam vents and hot springs. The Eastern Rift System, a series of mountain ranges that run roughly north-south, includes Kilimanjaro, the highest point in Africa (at 19,340 feet), along the Kenyan/Tanzanian border. The high Serengeti Plain lies to the southeast of Lake Victoria. The Central Plateau, with an average elevation near 4,000 feet, stretches west from the Serengeti Plain toward Lake Tanganyika and south to the Lake Rukwa Depression; this is a sparsely populated area with a high tsetse fly infestation.

TANZANIA GENERAL WEATHER. The Northeast and Southeast Monsoons combine with the movement of the near equatorial trough (NET) to control the climate of Tanzania. The mountainous topography and large lakes also play a very important role in modifying the weather throughout the country.

Lake Victoria. Situated at the equator, Lake Victoria and its surrounding topography combine to produce a variety of weather phenomena unique to the region. The eastern shore of the lake, in the rain shadow of the East African Highlands, receives less rainfall than the western shore. A lake breeze usually begins around 1100L, with subsidence and clear skies near the center of the lake. Thunderstorms and rainshowers form on the surrounding slopes. The lake breeze converges with the mean east-southeasterly flow about 100 miles southeast of the lake over the Serengeti Plain, causing occasional severe thunderstorms to move over the southern shore. A nocturnal land breeze, reinforced by mountain breezes, causes thunderstorms and showers to develop over the center of the lake. These are then caught up in upper easterly and southeasterly flow and move across the western and northwestern shores during early morning.

TANZANIA SEASONAL WEATHER

DRY SEASON (May-October). Except for areas of rainfall and layered clouds that obscure eastern sides of mountains, flying weather is generally good. Showers are normally limited to early May or late October. By late June, rainfall is confined to higher mountain elevations and to the immediate vicinity of Lake Victoria. Rainfall once again picks up in the north during October. Thunderstorms are rare from May to September, increasing to 4-8 a month by October. Tops can extend to 40,000 feet, with bases as low as 1,000 feet. Low ceilings are common along the north and northwestern shores of Lake Tanganyika. Annual brush fires and volcanoes contribute to the haze, which can lower visibility to 9,000 meters. Early morning fog (normally from 0500 to 0800L) on the windward slopes of mountains and near lakes and swamps occasionally reduces visibility to as low as 1 mile, more commonly during the early part of the season. Temperatures are generally cooler during the dry season; mean highs are in the low 80's (° F) with lows in the mid-60's. Temperatures are below freezing on the highest mountain peaks.

WET SEASON (November-April). Ceilings between 1,500 and 3,000 feet are common. During the numerous showers and thundershowers, they can drop as low as 100 feet; associated visibilities can drop to near zero. Early morning low clouds near lakes, marshes, and river valleys often cause ceilings to temporarily drop below 1,000 feet (300 meters). Windward sides of mountains are often obscured.

The worst flying weather is near the northern tip of Lake Nyasa, the Lake Victoria basin, the windward slopes of Mt. Kilimanjaro, northern and northeastern Tanganyika, and the Southern Highlands. Abrupt outcroppings on the flatter plains, which also have local low clouds

resulting in widespread variability from one location to the next. Large areas of showers and thunderstorms develop along the lakes in clusters or lines throughout the season. Thunderstorms are frequent. Associated wind gusts rarely exceed 35 knots, but speeds greater than 52 knots have been recorded. Tops usually extend to 40,000 feet, but they can be as high as 60,000 feet. Hail is common above 15,000 feet. Small hail routinely reaches the ground over areas just southeast of Lake Victoria. Mountain wave turbulence can occur over any portion of the region due to the terrain and the widespread thunderstorms; it is especially severe over the mountains on the western shores of the large lakes. Precipitation is mostly is the form of rainshowers or thunderstorms, but snow can fall on mountain slopes above 15,000 feet. On occasion, continuous rain can fall for up to 3 days, but the highest rainfall amounts come from heavy thunderstorms and showers, which normally occur from 1100 to 1900L. Rainfall tends to be concentrated in the north during the beginning of the season. By January, most rainfall is in the southern portion. By April, the heaviest precipitation has moved back northward; it persists, however, along the northern shore of Lake Nyasa. Unpaved roads become impassable; low lying areas flood.

The warmest temperatures of the year occur during the wet season; extremes are in the mid to upper 90s (° F) at stations in the Rift Valley. Normal highs are in the mid 80s, with lows in the mid 70s. Extreme lows on the higher peaks approach freezing.

UGANDA CLIMATE AND WEATHER

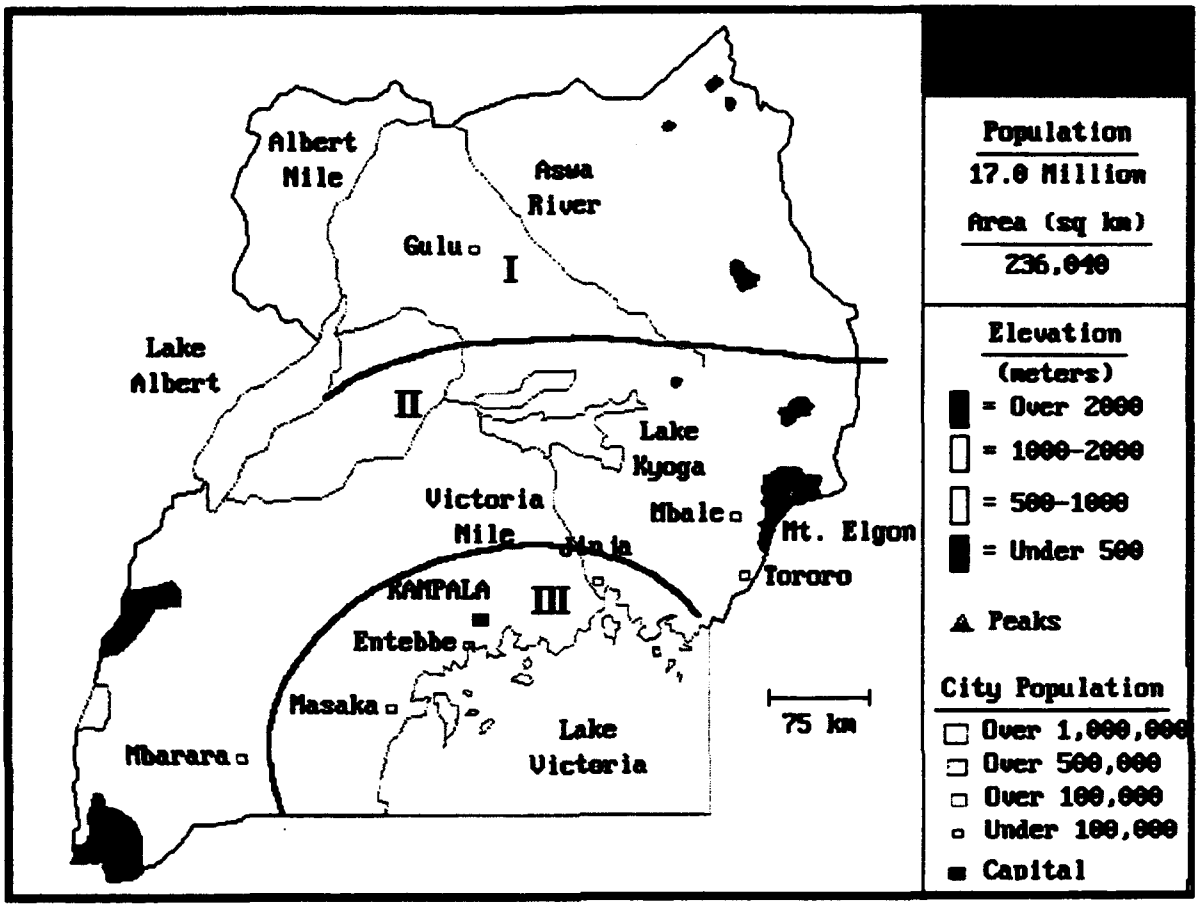

Figure 18. Uganda country map. Except for the mountains, Uganda has only three climatic zones. Zone I, the northern third, has only one wet and one dry season. In Zone II (most of the rest of the country), there are dual wet and dry seasons. In Zone III, near Lake Victoria, considerable showers and thunderstorms move off the lake. The mountains have their own weather regime, with clouds forming on windward slopes and dissipating on the leeward sides. Showers and thundershowers are common on windward slopes and over ridge crests.

UGANDA GENERAL WEATHER. Dry seasons have patchy night and morning low clouds that lift and dissipate slowly throughout the day. Except for isolated afternoon showers and a stray thundershower, there is little to impede operations. Wet seasons, on the other hand, feature numerous showers and thunderstorms that affect both air and ground operations. Seasonal weather in each of the three climatic zones is discussed separately.

ZONE I - THE NORTHERN PLATEAU.

Wet Season (April to late October). Extensive showers and thundershowers are common, with the greatest frequency just before dawn; there is a secondary peak in mid- to late afternoon. Ceilings and visibilities can go as low as 500 feet and/or 1/2 mile. Thunderstorms are normally embedded in layered clouds; tops can reach 45,000 to 60,000 feet. The usual hazards are present, including hail above 15,000 feet MSL. Nocturnal fog forms in river valleys after showers and/or thundershowers; it usually lifts by 0900L. Otherwise, extensive low cloud decks cause nocturnal and morning ceilings between 1,500 and 2,500 feet; ceilings lift by late morning. Temperatures range from lows in the mid- to upper 60s (° F) to highs in the mid- to upper 80s. Flash floods may occur near streams and in canyons; unpaved roads can be briefly impassable.

Dry Season (November through March). Expect only patchy low clouds with isolated showers or thundershowers. Several times during the dry season, strong northern hemisphere upper-air disturbances bring dry Saharan air and its associated dust ("Harmattan"). Visibilities may briefly drop below 3 miles both at the surface and aloft during the most intense portions of these outbreaks. Temperatures at night may fall into the upper 40s or low 50s (° F); afternoon readings climb into the upper 80s.

ZONE II - THE CENTRAL AND SOUTHERN PLATEAUS.

Wet Seasons (March through May and September through November). Conditions are similar to those on the Northern Plateau. However, flooding near rivers can be more widespread; soil does not dry as rapidly, with resulting trafficability problems.

Dry Seasons (June through August and December through February). Patchy night and morning low clouds are the rule, but ceilings rarely drop below 2,500 feet. Isolated afternoon showers and an occasional thundershower, however, may lower ceilings and visibilities to as low as 1,000 feet and 1 mile. Soils dry rapidly after these showers; trafficability is generally good.

ZONE III - THE LAKE VICTORIA COASTLINE.
Low-level winds are from the southeast except in January and February when they become easterly as the NET becomes stationary over Tanzania near 15° S. A marked local land-lake breeze modifies these winds along and near the northwestern Lake Victoria shore; the results are nocturnal northwesterly to northerly (off-shore) breezes and daytime east-southeasterly to southeasterly (onshore) winds. Offshore winds oppose the synoptic winds and result in showers and occasional thundershowers 10 to 15 miles offshore that move onshore with the prevailing upper winds; there is considerable night and early morning shower and thundershower activity, even during "dry" seasons.

Wet Seasons (Mid-February through late June and late October to mid December). Ceilings are generally above 1,500 feet; however, they drop to near 500 feet in patchy early morning low clouds and in thundershowers. Low clouds usually clear by 0900L. Visibilities are generally above 3 miles, but they drop below 1 mile in thundershowers, which occur on at least every 3rd to 4th day; favored times are between 0200 and 0500L early in the season, shifting to 0800 to 1200L by the end of the season. Unpaved roads become impassable; paved roads may flood during heavy rains or thundershowers. Thunderstorm tops range from 35,000 to 60,000 feet MSL. Hail is common above 15,000 feet. Layered clouds obscure the mountains east of Lake Victoria above 6,000 feet MSL most of the season. Temperatures range from highs near 80° F to lows in the lower 60s.

Dry Seasons (late June through early October and late December through mid-February). Patchy early morning low clouds and thunderstorms moving onshore off Lake Victoria are the only hazards. Low clouds, with bases near 1,000 feet (300 meters) normally form just before dawn and clear by 0900L. As in the wet seasons, thunderstorms also form over the lake and move onshore before dawn, but the most favored time for thunderstorms is now mid-afternoon; frequency again averages one every 3 to 4 days. Ceilings and visibilities briefly drop to near 500 feet and 1 mile. Thunderstorm winds may approach 45 knots. The usual thunderstorm hazards are present. Monthly rainfall averages near 5.5 inches a month, almost all from thundershowers; extremes run from a trace to almost 11 inches. Although roads and tarmac areas may flood briefly, water usually runs off and/or evaporates shortly after thundershowers end. Temperatures range from daily maximums of 77° F to lows of 61°.

RWANDA-BURUNDI
CLIMATE AND WEATHER

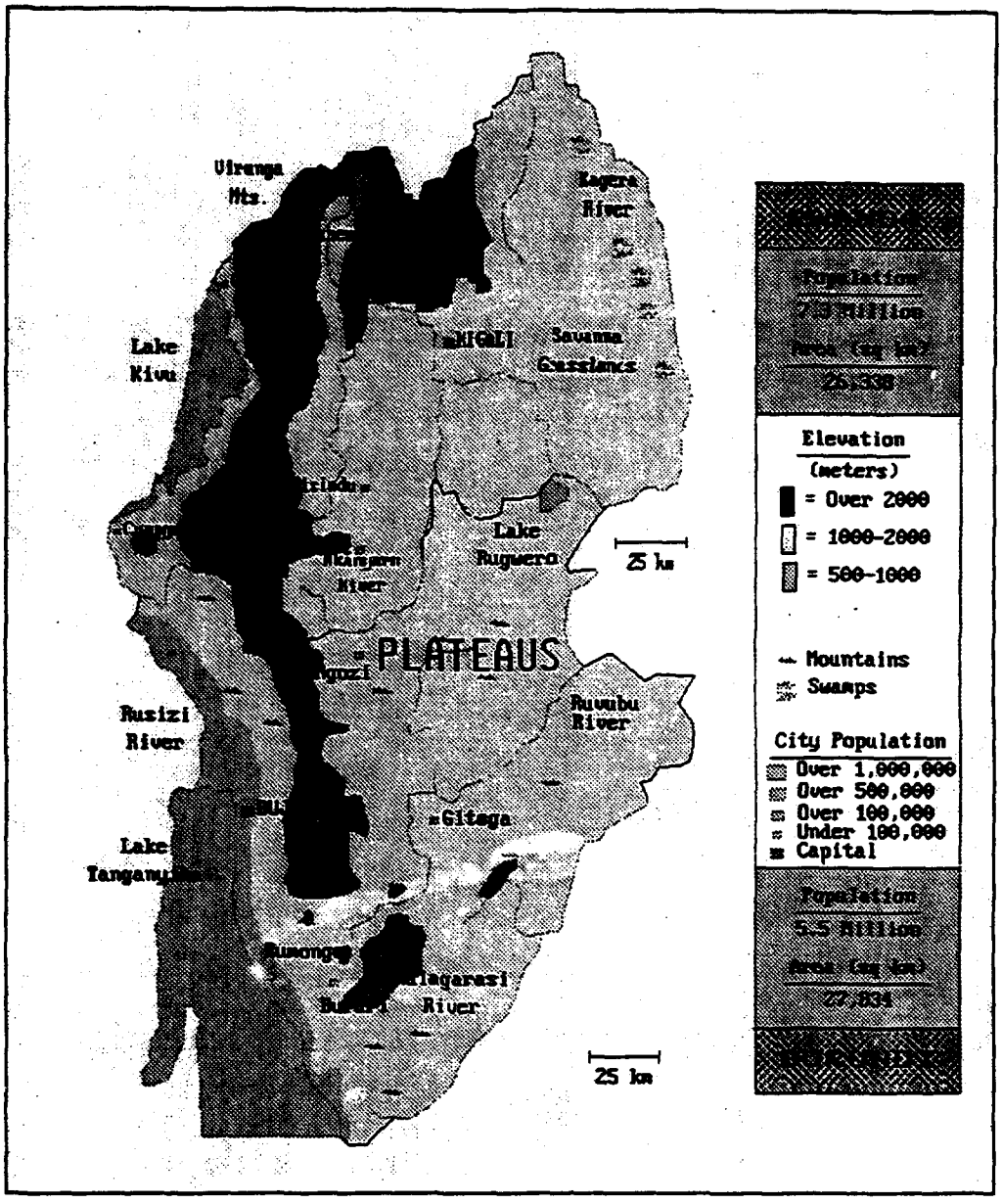

Figure 19. Rwanda-Burundi. Most elevations in this mountainous region are above 3,500 feet. Three distinct climatic zones result from elevation differences: (1) A plateau in the east (Kigali) that slopes gently upward toward (2) the mountain zone in the west that forms the Spine of Rwanda with elevations of 2,000-2,500 meters, and (3) the mountains that form an abrupt escarpment along the Lake Tanganyika-Ruzizi River-Lake Kivu valley (part of the Great Rift Valley). Bujumbura, Burundi's capital, is in this zone.

RWANDA-BURUNDI GENERAL WEATHER. There are two distinct seasons. The wet season begins in September and continues in varying degrees until the end of May. The dry season lasts for 3 to 4 months, usually beginning in the first week of June and ending by the middle of September. Temperatures here do not change much over the course of the year due to the closeness of the equator.

WET SEASON (Mid-September to May). The 8-month wet season results from unstable conditions favorable for the development of rainshowers and thunderstorms. Heaviest rains fall in March-May. Due to the combined effects of the mountains and large lakes, thunderstorms form over the area every day, and often during the night. Most ceilings are above 2,000 feet over valleys; mountain slopes are usually obscured above 2,000 to 3,000 feet over valley floors. Thunderstorms, which can occur at any time, have tops that reach 55,000 feet. Bases can be as low as 100 feet, often obscuring hill tops. Visibilities in the heaviest showers are near zero. Gusts up to 50 knots can occur with thunderstorms or squalls off the lakes. Along the eastern slopes of the mountains, low clouds often form in early morning; bases are from 500 to 2,000 feet, but they lift quickly after sunrise. In the Ruzizi River Valley, nocturnal showers and thundershowers move onshore from Lake Tanganyika; afternoon showers and thundershowers develop as the lake breeze moves inland.

The plateau region generally receives 40 inches of rain, while the mountains get up to 60 inches. Along the Ruzizi River Valley, precipitation drops to about 35 inches from showers and thunderstorms off Lake Tanganyika even though it is in the rain-shadow of the Spine of Rwanda, April and May are the rainiest months in Rwanda, while March and April are the rainiest in Burundi. Rain falls on more than 20 days a month.

Flash floods are common; secondary or unpaved roads may become unusable for several days. Stronger downslope winds can occur on the western slopes of the mountains into the Ruzizi River Valley. Mountain turbulence is widespread.

DRY SEASON (June to Mid-September)

Night and morning low clouds may briefly cause ceilings near 3,000 feet; afternoons are normally clear. Strong nocturnal downslope winds can occur along northern slopes of the mountains. Mountain turbulence is widespread.

ZIMBABWE CLIMATE AND WEATHER

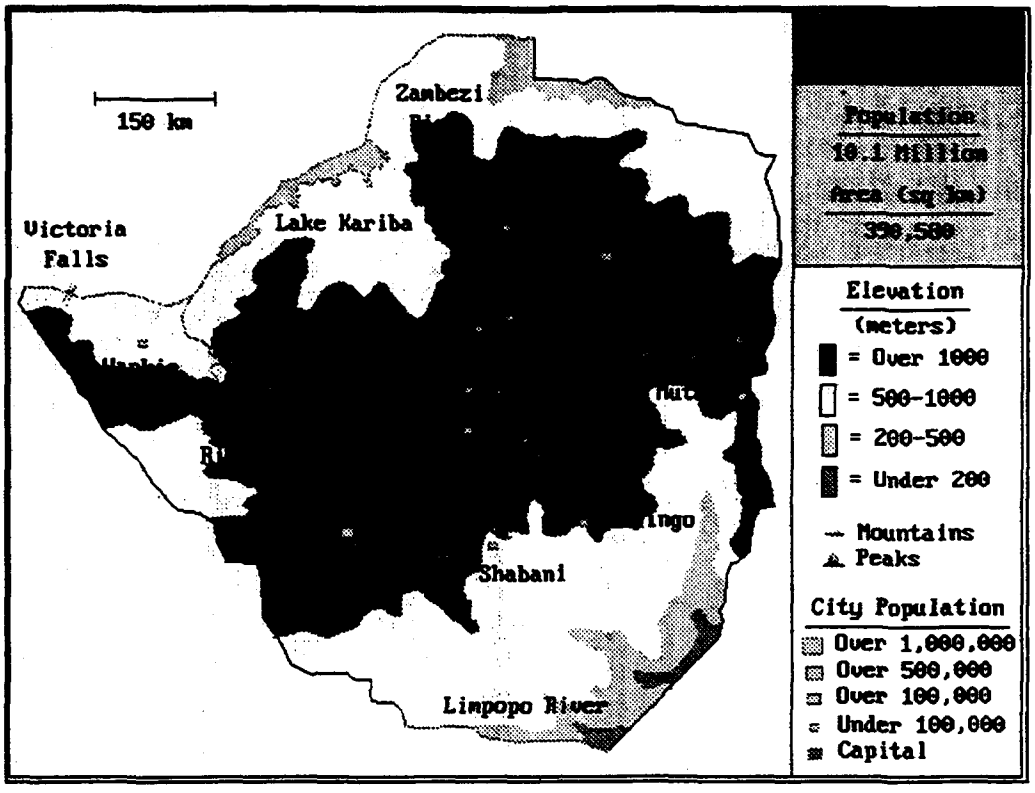

Figure 20. Zimbabwe Country Map. A ridge 400 miles wide runs from the southwest to the northeast across Zimbabwe; elevations of about 4,000 feet (1,200 meters) rise to 2,590 meters (8,500 feet) at Mount Inyangani in northeastern Zimbabwe, the country's highest point.

ZIMBABWE GENERAL WEATHER. Thunderstorms in late spring, summer, and early fall (all southern hemisphere seasons) are responsible for the October-March wet season. On rare occasions, this activity moves as far south as the Limpopo River, bringing exceptional rainfall. Some extreme amounts received on a single day include 11 inches at Krugersdorp and 4 inches at Bloemfontein. The high elevations of the plateaus combine with low humidities to cause nocturnal temperatures that are much lower than would be expected in these latitudes. Winds greater than 27 knots are rare except in association with thunderstorms.

WET SEASON (October-March). The wet season (southern hemisphere summer) is hot, wet, and cloudy. A diurnal pattern of cloud development and dissipation is common. Mornings begin with ceilings below 1,000 feet and patchy rain. Daytime heating results in showers and thunderstorms during the afternoon, often continuing into the evening. Nocturnal clouds reform after the dissipation of afternoon and

month; December and January are the wettest. Thunderstorms occur on 10-15 days a month, often accompanied by hail and surface winds gusting to 45 knots. Thunderstorm tops are usually between 35,000 and 50,000 feet.

Southeastern Zimbabwe is occasionally affected by a weather pattern known locally as the "Guti." These are episodes of extensive low-level cloudiness, fog, and drizzle—with ceilings less than 200 feet and visibilities less than 0.5 mile—that persist for 1 to 5 days. The Guti develops when cold air is advected inland and upslope from South Africa and Mozambique by transitory high-pressure systems. Widespread stratus, with bases between 500 and 1,000 feet, sometimes extends as far west as Bulawayo (see Figure 20). Precipitation, generally in the form of drizzle, is most common on windward slopes where clouds are lowest and thickest. Guti episodes are often preceded by squall-line thunderstorms that develop 90 to 100 miles ahead of the cold-air boundary.

High temperatures are generally in the 80s (° F) to low 90s, with overnight lows in the upper 50s. November is generally the warmest month. Colder conditions are found in southern Zimbabwe, especially during periods of the Guti. Temperatures decrease by about 3° F per 1,000 feet in elevation.

DRY SEASON (April-September). There is very little rainfall. Skies are generally clear to partly cloudy, but early morning ceilings are below 3,000 feet about 20% of the time. Low ceilings are rare during the afternoon and evening. Rains can occur in the mountain highlands at any time of year. Thunderstorms early and late in the dry season often have high bases; they can produce virga and severe downburst winds. Thunderstorms raise dust late in the dry season, but visibilities rarely go below 3 miles. Guti conditions can affect southeastern Zimbabwe during the dry season, but they are rare. Mean temperatures are generally lower during the dry season. Highs are generally in the 70s (° F) to 80s, with lows in the 40s or 50s. July is the coolest month. Overnight frosts are common in the higher elevations and in extreme southern Zimbabwe.

ZAIRE CLIMATE AND WEATHER

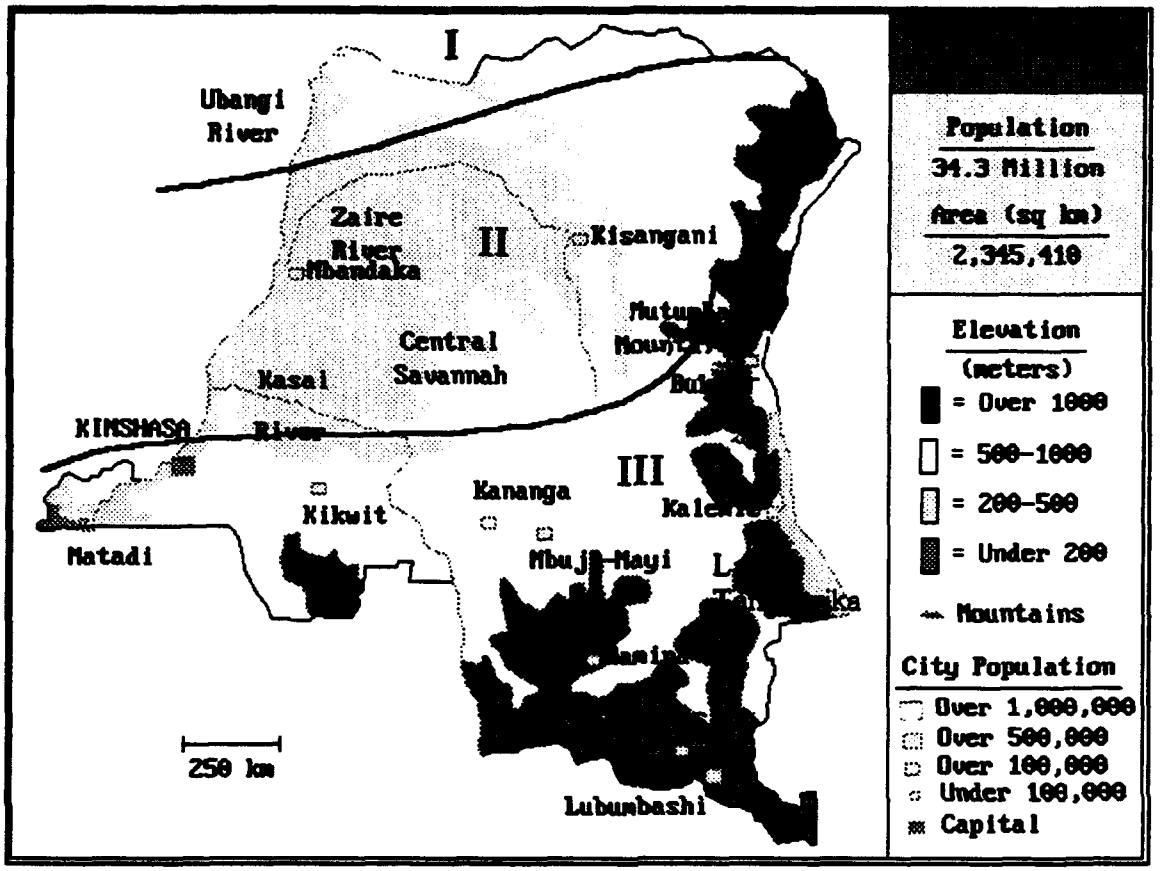

Figure 21. Zaire country map. The country is divided into three climatic zones. Zones I (The Northern Savannah) and III (The Southern Plateau) are determined by rainy season onset; they have only two seasons (wet and dry). Zone II has no dry season. The timing of Zone III seasons depend on the northwest-southeast oscillation of the "Congo Air Boundary," or the zone where South Atlantic Ocean and Southwest Indian Ocean air meet. Zone I seasons depend on Near Equatorial Trough location and movement. Weather in the Great Rift Valley mountains along the eastern border depends on upslope or downslope airflow over individual mountain ranges; it is relatively independent of large-scale weather features.

ZAIRE GENERAL WEATHER. Extremely warm and moist air covers the entire country except the higher Great Rift Valley mountains in the extreme east. Night and morning low clouds form patchy ceilings between 1,500 and 2,500 feet all year. Nocturnal fog and fog banks are common in the central Savannah and along the major rivers, especially the Zaire (Congo), Ubangi, and Kasai after late afternoon or early evening thundershowers that are common during the wet season. Ceilings and visibilities may drop briefly to as low as 100 feet

and 1/4 mile in either thundershowers or fog banks. Nocturnal fog normally clears by 0900L. Weather in the mountains along the Great Rift Valley in the extreme east does not necessarily reflect that of the two major climatic regions. Windward slopes have considerable late morning and afternoon cloud cover with numerous showers and thundershowers. Leeward slopes tend to be cloud-free except when thundershowers drift off the ridge crests. The usual turbulence problems occur with heating and/or thundershowers.

ZONE I - NORTHERN SAVANNAH

Wet Season (Mid April to early November) Showers and thunderstorms are common. Thunderstorm tops can exceed 50,000 feet. Worst conditions occur with "Central African Squall Lines" that form just west of the Great Rift Mountains and move westward across the country. Patchy nocturnal fog banks form along major rivers and over forested areas after showers or thundershowers; these lift and dissipate by 0900L. Lowest conditions may drop briefly to less than 100 feet and/or 1/4 mile. Rivers rise rapidly after heavy thundershowers; numerous floating logs and trees ("snags") float downstream. Boat travel can become hazardous. Unpaved roads and tracks become virtually impassable. Temperatures range from lows in the 70s (° F) to highs in the low 90s.

Dry Season (Mid November to early April). Showers and thunderstorms are uncommon, but lowest conditions may drop briefly to less than 100 feet and/or 1/4 mile and thunderstorm tops can reach more than 45,000 feet with the once or twice a season incursion of a deep northern hemisphere upper-air disturbance. Immediately after passage of the line of showers and thundershowers, a dusty northeasterly or northerly wind persists for up to 48 hours; lowest surface and air-to-ground visibilities are 3 miles. Extensive nocturnal low cloudiness rarely lowers ceilings below 1,500 feet; clouds normally clear by 0900L. Temperatures range from lows in the 70s (° F) to highs in the low 90s.

ZONE II - CENTRAL SAVANNAH

Wet Season (All Year). Showers and thunderstorms are common. Thunderstorm tops can exceed 50,000 feet. Worst conditions occur with "Central African Squall Lines" that form in the southeast just northwest of the Congo Air Boundary from April through November and move west and northwest across the country. Patchy nocturnal fog banks form along major rivers and over forested areas after showers or thundershowers; they usually dissipate by 0900L. Lowest conditions may drop briefly to less than 100 feet and/or 1/4 mile. Rivers rise rapidly after heavy thundershowers; numerous floating logs

logs and trees ("snags") float downstream. Boat travel can be hazardous. Unpaved roads and tracks become virtually impassable. Temperatures range from lows in the 70s (° F) to highs in the low 90s.

ZONE III - SOUTHERN PLATEAU

Dry Season (Late April to early October in Lubumbashi shortening to June to early October in Kinshasa and Kananga). Patchy low clouds form at night, but ceilings are rarely below 1,500 feet; clouds usually lift by 0900L. On rare occasions, afternoon heating may result in a shower. High plateau temperatures range from the low 50s (° F) to the low 80s. River travel can still be hazardous due to rapid rises and snags resulting from heavy thundershowers upstream. Kinshasa temperatures are in the low 70s, rising into the mid- to upper 90s.

Wet Season (Mid-October through mid-April in Lubumbashi lengthening to mid-October to late May in Kinshasa and Kananga). Showers and thunderstorms are common. Thunderstorm tops reach to more than 50,000 feet. The worst conditions occur with "Central African Squall Lines" that form just west of the Great Rift Mountains and move westward across the country. Patchy nocturnal fog banks form along major rivers and over forested areas after showers or thundershowers; they lift and dissipate by 0900L. Lowest conditions may briefly drop to less than 100 feet and/or 1/4 mile. Rivers rise rapidly after heavy thundershowers; numerous floating logs and trees ("snags") float downstream. Boat travel can be hazardous. Unpaved roads and tracks become virtually impassable. Temperatures range from lows in the 50s (° F) to highs in the low 80s on the high plateau, increasing to lows in the 70s and highs in the low 90s in Kinshasa.

Appendix A

Operational Climatic Data Summaries (OCDSs)

Appendix A provides all OCDSs available for Central Africa at the time of publication. Stations included are listed below, with name and WMO identifier.

Bujumbura, Burundi	643900
Bukavu, Zaire	641800
Bukoba, Tanzania	637290
Chiredzi/Buffalo RG, Zimbabwe	679770
Entebbe Intl Aprt, Uganda	637050
Harrare/Kutsaga	677750
Karoi, Zimbabwe	677650
Kigali, Rwanda	643870
Mombasa, Moi Intl Aprt, Kenya	638200
Musoma, Tanzania	637330
Mwanza, Tanzania	637560
Nairobi/Jomo Kenyatta, Kenya	637400
Tabora Aprt, Tanzania	638320
Victoria Falls, Zimbabwe	678430

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: BUJUMBURA, BI **STATION #:** 643900 **ICAO:** HBBA
LOCATION: 319S 2919E **ELEVATION (FEET):** 2569 **LST = GMT + 2**
PREPARED BY: USAFETAC/DOC, APR 1994 **PERIOD:** 7301-9212

SOURCE NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1. TEMPERATURE (F)													
EXTREME MAX 1	93	96	97	95	94	90	90	91	93	93	91	92	100
MEAN DAILY MAX 1	79	79	79	80	79	78	78	81	82	80	76	78	79
MEAN 1	77	77	77	77	77	77	76	77	78	77	76	76	77
MEAN DAILY MIN 1	72	73	72	72	73	71	70	71	71	73	73	72	72
EXTREME MIN 1	58	60	60	60	59	56	54	53	58	56	61	60	53
# DAYS GE 90 1	1	1	1	#	#	#	#	#	1	1	#	#	6
# DAYS LE 32 1	0	0	0	0	0	0	0	0	0	0	0	0	0
# DAYS LE 0 1	0	0	0	0	0	0	0	0	0	0	0	0	0
2. PRECIPITATION (INCHES)													
MAXIMUM	*	*	*	*	*	*	*	*	*	*	*	*	*
MEAN	*	*	*	*	*	*	*	*	*	*	*	*	*
MINIMUM	*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR	*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS W/PRECIP 1	5	4	6	6	4	1	0	1	3	5	7	6	48
# DAYS GE 0.5	*	*	*	*	*	*	*	*	*	*	*	*	*
3. SNOWFALL (INCHES)													
MEAN	*	*	*	*	*	*	*	*	*	*	*	*	*
MAXIMUM	*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR	*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS W/SNOW	*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*
4. MEAN RELATIVE HUMIDITY (%) / VAPOR PRESSURE (IN HG) / DEWPOINT (F)													
RH (6 LST) 1	92	92	93	93	91	88	83	83	82	88	92	93	89
RH (4 LST) 1	60	58	60	61	58	50	47	45	46	54	61	61	55
VAPOR PRESS 1	.68	.68	.69	.70	.68	.60	.55	.56	.59	.64	.68	.68	.64
DEWPOINT 1	67	67	67	68	67	63	61	61	63	65	67	67	65
5. SURFACE WINDS 16 PT/KTS / 99.95% HIGHEST PRESSURE ALTITUDE (FEET)													
PVLG DRCTN 1	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
MEAN SPEED (PVLG DRCTN) 1	9	10	10	10	10	11	12	13	12	12	11	11	11
MEAN SPEED (ALL OBS) 1	5	6	6	6	6	7	7	8	8	7	7	6	7
MAX PEAK GUST 1	20	28	45	36	32	40	25	26	35	36	40	33	45
PRESSURE ALT 1	2740	2820	2760	2720	2850	2680	2650	2680	2750	2760	2750	2770	2880
6. MEAN CLOUD COVER (8THS) / THUNDERSTORMS / FOG / BLOWING SAND & DUST (BNBD)													
CLD COVER 1	6	6	6	6	5	4	3	4	5	5	6	6	5
DAYS TSTMS 1	6	6	6	6	3	1	#	1	3	6	5	5	47
DAYS FOG LT 7 1	1	1	#	#	0	#	#	#	1	#	0	#	4
DAYS BNBD LT 7 1	#	#	#	0	0	#	#	0	0	0	0	#	0

REMARKS: * = DATA NOT AVAILABLE # = LT 0.5 DAY, OR 0.05 INCH, OR 0.5%, AS APPLICABLE $ = % CALM GT PVLGN DRCTN
¢ = BASED ONLY ON AVAILABLE DATA, I.E. LT 24 HRS/DAY, OR LT 12 MONTH/YR
ANNUAL TOTALS MAY NOT EQUAL THE SUM OF MONTHLY TOTALS DUE TO ROUNDING

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: BUJUMBURA, BI | STATION #: 643900 | ICAO: HBBA
LOCATION: 319S 2919E | ELEVATION (FEET): 2569 | LST = GMT + 2
PREPARED BY: USAFETAC/DOC, APR 1994 | PERIOD: 7301-9212

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7. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 3000/3 STATUTE MILES (MI) (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	4	7	4	6	8	2	3	1	3	3	8	8	5
03-05 LST	4	16	5	10	3	2	0	5	2	7	7	2	5
06-08 LST	5	3	4	9	8	2	2	1	1	5	5	5	4
09-11 LST	4	4	6	10	8	1	2	1	2	2	6	7	4
12-14 LST	8	10	12	18	7	1	2	1	2	7	11	12	8
15-17 LST	9	13	12	20	8	2	1	1	2	7	15	11	8
18-20 LST	9	13	13	13	6	#	1	2	3	7	13	9	7
21-23 LST	7	9	6	3	5	2	2	2	2	2	6	2	4
ALL HOURS	6	9	8	11	7	1	2	2	2	5	9	7	6

8. % FREQ OF CIG/VIS LT 1500/3 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	2	2	2	1	1	1	3	1	2	2	1
03-05 LST	1	6	2	0	1	1	0	2	1	2	1	1	2
06-08 LST	1	#	2	1	1	#	2	1	1	1	1	#	1
09-11 LST	1	0	#	1	0	#	2	1	#	0	1	1	1
12-14 LST	#	#	#	1	#	#	1	1	1	1	1	1	1
15-17 LST	#	1	1	2	0	#	1	1	#	0	1	1	1
18-20 LST	1	#	1	#	0	0	1	1	#	1	1	0	1
21-23 LST	1	3	0	0	3	0	2	1	0	0	0	0	1
ALL HOURS	1	1	1	1	1	#	1	1	1	1	1	1	1

9. % FREQ OF CIG/VIS LT 1000/2 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	2	2	2	0	1	1	2	1	2	1	1
03-05 LST	0	2	2	0	1	1	0	2	1	2	0	0	1
06-08 LST	1	0	1	1	1	#	1	1	0	1	1	#	1
09-11 LST	1	0	#	0	0	#	1	1	#	0	1	1	#
12-14 LST	#	#	#	1	#	#	0	1	1	#	1	1	#
15-17 LST	#	#	1	1	0	#	1	1	#	0	1	1	1
18-20 LST	1	0	#	#	0	0	1	1	#	#	0	0	#
21-23 LST	1	2	0	0	3	0	2	1	0	0	0	0	1
ALL HOURS	1	1	1	1	1	#	1	1	1	1	1	#	1

10. % FREQ OF CIG/VIS LT 200/0.5 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	1	0	0	0	0	1	1	0	1	#
03-05 LST	0	2	1	0	1	1	0	0	0	1	0	0	1
06-08 LST	0	0	#	1	1	#	#	#	0	#	#	#	#
09-11 LST	0	0	#	0	0	#	#	#	#	0	#	#	#
12-14 LST	0	#	#	#	#	0	0	#	#	0	0	0	#
15-17 LST	0	#	0	#	0	0	#	#	0	0	#	#	#
18-20 LST	0	0	0	0	0	0	#	#	0	0	0	0	#
21-23 LST	0	0	0	0	1	0	1	1	0	0	0	0	#
ALL HOURS	0	#	#	#	#	#	#	#	#	#	#	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: BUJUMBURA, BI | **STATION #: 643900** | **ICAO: HBBA**
LOCATION: 319S 2919E | **ELEVATION (FEET): 2569** | **LST = GMT + 2**
PREPARED BY: USAFETAC/DOC, APR 1994 | **PERIOD: 7301-9212**

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11. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF THUNDERSTORMS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	13	8	10	6	8	1	1	2	1	4	5	9	6
03-05 LST	14	8	6	10	5	3	1	0	0	2	4	4	5
06-08 LST	3	3	3	2	1	1	#	0	#	2	1	2	1
09-11 LST	2	1	2	1	1	#	0	0	#	2	2	3	1
12-14 LST	8	11	11	9	4	1	1	1	5	8	8	7	6
15-17 LST	8	15	12	12	3	2	#	1	6	16	15	12	8
18-20 LST	8	12	15	9	4	1	#	3	9	6	9	6	7
21-23 LST	6	10	9	8	5	2	0	2	5	6	4	6	5
ALL HOURS	8	8	8	7	4	1	#	1	3	6	6	6	5

12. % FREQ RAIN AND/OR DRIZZLE:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	8	8	5	7	5	1	1	2	4	5	6	5	5
03-05 LST	10	8	5	10	5	2	0	1	2	3	7	7	5
06-08 LST	6	6	4	4	5	1	0	1	2	4	5	7	4
09-11 LST	4	5	5	8	4	2	#	1	2	4	5	6	4
12-14 LST	6	6	8	7	4	1	#	#	3	6	10	7	5
15-17 LST	10	11	11	12	5	1	1	1	4	11	18	14	8
18-20 LST	8	9	15	12	6	1	0	2	8	11	15	8	8
21-23 LST	10	7	8	12	5	0	0	3	10	5	9	5	6
ALL HOURS	8	7	8	9	5	1	#	1	4	6	9	8	6

13. % FREQ SNOW AND/OR ICE PELLETS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
03-05 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
06-08 LST	0	0	#	0	0	0	#	0	0	0	0	0	#
09-11 LST	0	0	0	0	0	0	#	#	0	0	0	0	#
12-14 LST	0	0	0	0	0	0	#	0	0	0	0	0	#
15-17 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
18-20 LST	0	0	0	0	0	0	0	0	0	0	#	0	#
21-23 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL HOURS	0	0	#	0	0	0	#	#	0	0	#	0	#

14. % FREQ OF SURFACE WIND SPEEDS GT 25 KTS. (INCLUDING GUSTS):

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	1	0	1	0	0	0	0	2	0	0	0	0	#
03-05 LST	0	0	0	0	0	0	0	0	0	0	1	1	#
06-08 LST	0	0	#	0	#	#	#	#	#	#	#	0	#
09-11 LST	0	0	0	0	0	#	#	0	0	1	1	#	#
12-14 LST	#	#	1	#	1	1	1	1	1	2	1	1	1
15-17 LST	0	#	1	1	#	1	1	1	1	0	1	1	1
18-20 LST	0	0	1	0	#	0	0	0	#	0	#	0	#
21-23 LST	0	0	1	1	1	0	0	0	0	0	1	0	#
ALL HOURS	#	#	1	#	#	#	#	1	#	#	1	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: BUJUMBURA, BI | STATION #: 643900 | ICAO: HBBA
LOCATION: 319S 2919E | ELEVATION (FEET): 2569 | LST = GMT + 2
PREPARED BY: USAFETAC/DOC, APR 1994 | PERIOD: 7301-9212

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15. % FREQ OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 800/2 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	2	2	2	0	1	1	2	1	2	1	1
03-05 LST	0	2	2	0	1	1	0	2	0	2	0	0	1
06-08 LST	1	0	1	1	1	#	1	#	0	1	1	#	#
09-11 LST	#	0	#	0	0	#	1	1	#	0	1	#	#
12-14 LST	#	#	#	1	#	#	0	1	1	#	#	#	#
15-17 LST	#	#	1	1	0	#	1	1	#	#	#	1	1
18-20 LST	1	0	#	#	0	0	1	1	#	#	0	0	#
21-23 LST	1	2	0	0	3	0	2	1	0	0	0	0	1
ALL HOURS	#	1	1	1	1	#	1	1	#	1	1	#	1

16. % FREQ OF CIG/VIS LT 500/1.5 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	1	2	0	0	0	0	1	1	2	1	1
03-05 LST	0	2	1	0	1	1	0	1	0	1	0	0	1
06-08 LST	#	0	1	1	1	#	#	#	0	1	#	#	#
09-11 LST	#	0	#	0	0	#	1	1	#	0	#	#	#
12-14 LST	0	#	#	1	#	#	0	1	1	#	#	#	#
15-17 LST	0	#	1	1	0	#	1	1	#	0	#	1	#
18-20 LST	#	0	0	#	0	0	#	1	0	#	0	0	#
21-23 LST	0	1	0	0	2	0	2	1	0	0	0	0	#
ALL HOURS	#	#	#	1	#	#	1	1	#	#	#	#	#

17. % FREQ OF CIG/VIS LT 300/1 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	1	1	0	0	0	0	1	1	2	1	1
03-05 LST	0	2	1	0	1	1	0	1	0	1	0	0	1
06-08 LST	#	0	#	1	1	#	#	#	0	#	#	#	#
09-11 LST	#	0	#	0	0	#	#	1	#	0	#	#	#
12-14 LST	0	#	#	1	#	#	0	1	#	#	#	#	#
15-17 LST	0	#	#	1	0	#	1	1	#	0	#	1	#
18-20 LST	0	0	0	#	0	0	#	1	0	0	0	0	#
21-23 LST	0	1	0	0	2	0	2	1	0	0	0	0	#
ALL HOURS	#	#	#	#	#	#	#	1	#	#	#	#	#

18. % FREQ OF CIG/VIS LT 100/.25 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	1	0	0	0	0	1	1	0	0	#
03-05 LST	0	2	0	0	1	1	0	0	0	1	0	0	#
06-08 LST	0	0	#	#	#	#	#	#	0	0	0	#	#
09-11 LST	0	0	#	0	0	#	0	#	#	0	#	0	#
12-14 LST	0	0	0	#	#	0	0	#	#	0	0	0	#
15-17 LST	0	#	0	#	0	0	#	0	0	0	#	#	#
18-20 LST	0	0	0	0	0	0	#	#	0	0	0	0	#
21-23 LST	0	0	0	0	1	0	0	1	0	0	0	0	#
ALL HOURS	0	#	#	#	#	#	#	#	#	#	#	#	#

SOURCE(S): 1. USAFETAC DATSAV2 SURFACE, JAN 73 - DEC 92, 3 HRLY AND HOURLY OBS.
NOTE: LIMITED DATA AVAILABLE FOR BUJUMBURA.(30,000 TOTAL OBS)

BUKAVU, ZAIRE
Lat 2°18'05"S Long 28°48'50"E Elev 5,643 feet MSL

NOTE: All data except for wind is from the National Intelligence Survey, Section 23, Weather and Climate, Belgian Congo, based on 10 years of record or less. Wind data is from *Atlas Climatique du Bassin Zairois, 4:* period of record, 3 years. Use this data with caution; there are not enough observations on USAFETAC's DATSAV database to prepare an automated summary. Address questions and comments to: USAFETAC/DOJ (Mr Walters), Scott AFB IL 859 Buchanan St, Scott AFB IL 62225-5116 or to DOJKRW@ETACRS1.SAFB.AF.MIL. CONUS DSN is 576-3465.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
MEAN DAILY MAX AND MIN TEMPERATURE (°F)													
	78/59	78/59	78/60	78/60	78/60	78/58	80/57	82/58	81/59	80/60	77/59	78/59	79/59
ABSOLUTE MAX AND MIN TEMPERATURE (°F)													
	88/56	85/56	85/54	85/56	84/56	85/53	87/52	90/50	93/55	91/56	85/56	86/54	93/50
MEAN RELATIVE HUMIDITY @ 0600, 1200, AND 1800 LST													
0600	92	93	94	94	96	92	88	86	84	90	92	93	91
1200	61	65	68	69	67	60	44	42	54	60	72	66	61
1800	78	80	83	86	80	74	56	55	68	74	86	82	75
MEAN PRECIPITATION (IN)													
	5.6	5.3	5.2	5.9	2.9	1.9	0.6	1.1	4.6	5.8	6.9	6.6	52.1
MAX AND MIN PRECIPITATION (IN)													
	9.1	7.4	6.9	9.1	8.3	5.2	1.6	3.6	7.4	9.1	11.3	10.7	64.1
	1.5	2.3	3.5	3.2	1.0	0.2	0.0	0.0	1.8	4.5	4.0	3.2	44.6
MAX 24-HOUR PRECIPITATION (IN)													
	3.2	2.2	1.5	1.8	2.2	1.5	1.4	1.3	3.5	1.8	1.7	1.5	3.5

*MEAN NUMBER OF DAYS WITH GTE 0.004 IN - NOT AVAILABLE

% FREQ OF TOTAL CLOUD COVER LTE 3/10S AT 0600, 1200, AND 1800 LST													
0600	24	22	15	7	9	14	56	32	29	6	10	31	21
1200	8	3	2	0	5	24	43	30	7	3	1	2	11
1800	6	21	6	8	26	38	79	22	19	14	5	17	22
% FREQ OF TOTAL CLOUD COVER 4/10 TO 7/10 AT 0600, 1200 AND 1800LST													
0600	51	41	44	50	54	65	36	42	39	57	51	49	47
1200	66	73	71	68	85	68	52	57	81	59	90	85	71
1800	18	25	27	27	39	27	8	43	31	27	20	42	28
% FREQ OF TOTAL CLOUD COVER GTE 8/10 AT 0600,1200, AND 1800LST													
0600	25	37	41	43	37	21	8	26	32	36	39	20	30
1200	26	24	27	32	10	8	5	13	12	38	9	13	18
1800	76	54	68	66	35	35	13	37	50	60	76	41	51

BUKAVU, ZAIRE WMO 641800
Lat 2°18'05"S Long 28°48'50"E Elev 5,643 feet MSL

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
% FREQ OF LOW CLOUDS W/BASES < 1,000 FEET AGL AT 0600, 1200, AND 1800LST													
0600	25	22	28	26	19	39	28	3	15	32	24	33	25
1200	2	8	14	10	13	2	2	2	1	7	7	3	6
1800	18	6	15	17	17	23	0	2	6	16	20	16	13
% FREQ OF LOW CLOUDS W/BASES < 5,000 FEET AGL AT 0600, 1200, AND 1800LST													
0600	63	78	87	94	98	86	52	50	70	76	96	85	78
1200	99	100	100	100	100	99	94	91	99	100	100	99	98
1800	84	75	83	96	78	88	21	59	83	67	87	90	76
% FREQ OF NO LOW CLOUDS W/BASES < 8,200 FEET AT 0600, 1200, AND 1800LST													
0600	35	22	13	6	0	14	47	39	27	21	41	52	2
1200	10	0	0	0	1	6	5	1	0	0	0	1	1
1800	16	26	17	42	21	27	13	31	73	21	4	10	23
% FREQ OF VISIBILITY < 2 1/2 MILES AT 0600, 1200, AND 1800LST													
0600	2	0	0	0	0	0	0	0	1	0	0	0	*
1200	0	3	3	0	0	0	1	0	0	0	1	0	1
1800	0	0	0	0	0	0	0	0	0	0	0	0	0
% FREQ OF VISIBILITY < 5 MILES AT 0600, 1200, AND 1800LST													
0600	3	0	0	0	0	0	2	9	2	0	0	2	2
1200	0	5	6	3	0	0	3	0	0	1	1	2	2
1800	0	0	2	0	0	0	0	0	0	0	0	0	*

* = has occurred

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
% FREQ OF VISIBILITY > 10 MILES AT 0600, 1200, AND 1800LST													
0600	89	97	97	97	95	53	50	55	93	99	100	91	85
1200	94	90	92	94	96	96	66	74	90	99	99	95	90
1800	87	98	96	96	96	58	54	57	83	91	96	94	84
MEAN NUMBER OF DAYS WITH THUNDERSTORMS													
	3	2	1	2	1	1	1	1	3	4	5	4	28

MEAN MONTHLY AND ANNUAL WINDS AT 12 METERS AGL AT 3-HOURLY INTERVALS (LST)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0000	18004	18003	18002	18003	18005	18006	18006	18004	18001	18001	18003	18003
0300	18003	19002	18002	18002	18004	18004	18004	18003	24001	18001	18002	18002
0600	18001	18001	17001	18001	18002	18002	18002	18001	23001	27001	32001	21001
0900	17001	16001	17001	16001	15001	16001	17001	13001	35001	02001	01001	18001
1200	13006	14001	15001	15002	16004	16004	16004	16003	16002	15002	10001	07001
1500	18001	18002	18001	16002	16004	17004	17005	17004	16003	15001	17002	16002
1800	18003	19002	18003	17003	17004	17005	17006	17006	17003	17003	17003	17003
2100	18003	18002	18002	18003	18005	18005	18007	18005	18002	18002	18003	18002

RARE PEAK WIND GUSTS ARE BETWEEN 20 AND 25 KNOTS AND OCCUR MOSTLY IN THE WET SEASON.

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: BUKOBA, TANZANIA STATION #: 637290 ICAO: HTBU
LOCATION: 120S 3149E ELEVATION (FEET): 3730 LST = GMT + 3
PREPARED BY: USAFETAC/DOC, JUL 1994 PERIOD: 7301-9212

SOURCE NO.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1. TEMPERATURE (F)														
EXTREME MAX	1	88	86	86	88	89	91	91	88	90	91	89	87	91
MEAN DAILY MAX	1	75	76	76	75	75	76	75	75	76	75	76	75	75
MEAN	1	72	72	73	73	73	73	72	72	73	72	73	72	72
MEAN DAILY MIN	1	69	69	69	69	69	69	68	69	69	69	70	69	69
EXTREME MIN	1	54	57	58	61	59	59	57	57	55	56	57	57	54
# DAYS GE 90	1	0	0	0	0	0	#	#	0	#	#	0	0	2
# DAYS LE 32	1	0	0	0	0	0	0	0	0	0	0	0	0	0
# DAYS LE 0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2. PRECIPITATION (INCHES)														
MAXIMUM	2	11.7	11.4	13.5	22.1	21.3	6.4	7.2	6.7	10.2	9.0	9.8	10.7	105.4
MEAN	2	5.9	6.4	10.7	13.4	12.5	3.8	1.5	3.3	3.5	4.7	6.1	7.6	79.4
MINIMUM	2	1.5	1.4	0.8	7.8	4.3	0.7	0.0	0.6	0.7	2.1	3.9	3.0	64.5
MAX 24 HR	2	1.9	2.6	3.6	5.2	5.2	3.8	3.4	2.0	3.1	1.9	3.4	2.6	5.2
# DAYS GE .004	2	10	10	15	19	16	5	6	8	10	14	20	15	148
# DAYS GE .5		*	*	*	*	*	*	*	*	*	*	*	*	*
3. SNOWFALL (INCHES)														
MEAN		*	*	*	*	*	*	*	*	*	*	*	*	*
MAXIMUM		*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR		*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 0.1		*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 1.5		*	*	*	*	*	*	*	*	*	*	*	*	*
4. MEAN RELATIVE HUMIDITY (%) / VAPOR PRESSURE (IN HG) / DEWPOINT (F)														
RH (6 LST)	1	85	86	85	88	86	79	79	82	84	86	87	86	84
RH (15 LST)	1	65	65	67	69	70	62	60	62	64	66	68	66	65
VAPOR PRESS	1	.61	.61	.62	.64	.63	.58	.55	.58	.60	.61	.61	.61	.60
DEWPOINT	1	64	64	64	65	65	62	61	62	63	64	64	64	1
5. SURFACE WINDS 16 PT/KTS / 99.95% HIGHEST PRESSURE ALTITUDE (FEET)														
PVLG DRCTN	1	$W	$W	$W	$S	$S	$S	$S	E	$E	$W	$W	$W	$E
MEAN SPEED (PVLG DRCTN)	1	6	5	5	8	9	10	11	10	9	5	6	5	7
MEAN SPEED (ALL OBS)	1	5	5	5	6	7	7	8	7	6	5	5	5	6
MAX PEAK GUST	1	*	*	*	*	*	*	*	*	*	*	*	*	*
PRESSURE ALT	1	5178	5219	5345	5524	4779	5468	5741	5461	5395	5226	5312	5123	5741
6. MEAN CLOUD COVER (8THS) / THUNDERSTORMS / FOG / BLOWING SAND & DUST (BNBD)														
CLD COVER	1	5	5	5	5	5	4	4	4	5	5	5	5	5
DAYS TSTMS	1	5	6	8	8	7	4	4	6	8	10	9	8	82
DAYS FOG LT 7	1	0	0	0	0	0	0	0	#	0	0	0	0	0
DAYS BNBD LT 7	1	0	0	0	0	0	#	#	#	0	#	0	#	0

REMARKS: * = DATA NOT AVAILABLE # = LT 0.5 DAY, OR 0.05 INCH, OR 0.5%, AS APPLICABLE $ = % CALM GT PVLGN DRCTN
¢ = BASED ONLY ON AVAILABLE DATA, I.E. LT 24 HRS/DAY, OR LT 12 MONTH/YR
ANNUAL TOTALS MAY NOT EQUAL THE SUM OF MONTHLY TOTALS DUE TO ROUNDING

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: BUKOBA, TANZANIA | STATION #: 637290 | ICAO: HTBU
LOCATION: 120S 3149E | ELEVATION (FEET): 3730 | LST = GMT + 3
PREPARED BY: USAFETAC/DOC, JUL 1994 | PERIOD: 7301-9212

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7. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 3000/3 STATUTE MILES (MI) (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	3	0	6	3	4	0	0	4	7	6	0	0
03-05 LST	7	2	7	2	13	5	2	2	10	12	10	8	1
06-08 LST	34	23	28	38	38	20	18	24	18	27	40	35	6
09-11 LST	42	37	40	42	46	25	22	26	29	37	36	39	6
12-14 LST	35	31	27	31	39	17	15	25	32	36	35	31	5
15-17 LST	17	11	8	10	19	12	7	6	10	13	12	11	2
18-20 LST	7	3	2	5	5	4	2	2	6	9	4	4	1
21-23 LST	1	3	3	5	3	3	1	4	3	7	11	3	#
ALL HOURS	18	14	14	18	21	11	8	11	14	19	19	16	3

8. % FREQ OF CIG/VIS LT 1500/3 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	3	0	3	3	2	0	0	4	0	6	0	0
03-05 LST	7	0	5	0	11	4	0	2	5	6	3	3	#
06-08 LST	17	12	12	26	19	8	7	6	8	12	16	18	3
09-11 LST	14	16	18	17	21	8	8	8	9	14	13	20	3
12-14 LST	9	10	6	10	8	5	4	4	5	8	9	11	2
15-17 LST	4	4	3	2	4	3	2	1	2	2	1	2	#
18-20 LST	1	1	0	3	1	1	1	2	2	5	1	2	#
21-23 LST	1	1	3	3	1	0	0	4	3	2	4	3	#
ALL HOURS	7	6	6	8	9	4	3	3	5	6	7	7	1

9. % FREQ OF CIG/VIS LT 1000/2 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	3	0	3	3	2	0	0	0	0	0	0	0
03-05 LST	2	0	0	0	0	3	0	2	3	0	0	0	0
06-08 LST	0	1	1	2	1	1	1	1	0	2	1	0	0
09-11 LST	2	2	1	1	2	1	1	1	1	3	1	2	#
12-14 LST	1	1	2	2	#	1	1	1	2	#	2	2	#
15-17 LST	1	#	#	#	1	2	0	#	1	1	0	#	#
18-20 LST	0	1	0	2	1	1	1	1	1	1	1	2	#
21-23 LST	0	0	1	1	0	0	0	2	0	2	2	2	#
ALL HOURS	1	1	1	1	1	1	#	1	1	1	1	1	#

10. % FREQ OF CIG/VIS LT 200/0.5 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	3	0	3	3	2	0	0	0	0	0	0	0
03-05 LST	2	0	0	0	0	0	0	0	0	0	0	0	0
06-08 LST	0	1	0	1	0	1	0	0	0	#	0	0	0
09-11 LST	#	#	#	0	1	1	#	#	#	1	#	#	#
12-14 LST	0	1	1	1	#	1	0	#	#	0	1	1	#
15-17 LST	#	0	0	0	1	1	0	#	1	#	0	0	0
18-20 LST	0	0	0	1	#	#	1	1	#	0	0	0	0
21-23 LST	0	0	0	1	0	0	0	1	0	0	2	1	#
ALL HOURS	#	1	#	1	1	1	#	#	#	#	0	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: BUKOBA, TANZANIA | STATION #: 637290 | ICAO: HTBU
LOCATION: 120S 3149E | ELEVATION (FEET): 3730 | LST = GMT + 3
PREPARED BY: USAFETAC/DOC, JUL 1994 | PERIOD: 7301-9212

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11. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF THUNDERSTORMS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	2	3	6	2	0	0	0	0	0	0	0
03-05 LST	5	4	10	7	13	5	4	2	6	6	10	11	2
06-08 LST	17	18	24	26	37	11	13	21	28	22	35	32	5
09-11 LST	31	30	27	32	25	18	17	24	33	36	42	37	6
12-14 LST	21	17	23	19	9	8	7	14	26	30	25	27	4
15-17 LST	3	5	4	4	3	2	3	3	7	5	5	6	1
18-20 LST	0	2	1	0	#	0	0	2	1	1	0	0	0
21-23 LST	0	1	1	4	0	0	0	0	4	2	0	2	#
ALL HOURS	10	9	11	12	12	6	6	8	13	13	15	14	2

12. % FREQ RAIN AND/OR DRIZZLE:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	3	2	0	3	2	0	0	0	2	0	4	1
03-05 LST	2	2	7	2	6	3	0	0	0	1	7	5	1
06-08 LST	10	6	13	16	21	5	5	6	6	8	10	18	3
09-11 LST	20	18	23	28	19	5	4	6	7	15	20	21	4
12-14 LST	16	12	21	20	11	7	5	7	12	16	20	22	4
15-17 LST	4	5	7	5	6	3	3	1	3	3	5	3	1
18-20 LST	0	1	1	1	1	0	0	1	#	0	0	0	0
21-23 LST	0	1	1	3	1	1	0	1	1	1	0	0	0
ALL HOURS	7	6	9	9	8	3	2	3	4	6	8	9	2

13. % FREQ SNOW AND/OR ICE PELLETS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
03-05 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
06-08 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
09-11 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
12-14 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
15-17 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
18-20 LST	0	0	0	0	0	0	0	1	0	0	0	0	0
21-23 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL HOURS	0	0	0	0	0	0	0	#	0	0	0	0	0

14. % FREQ OF SURFACE WIND SPEEDS GT 25 KTS. (INCLUDING GUSTS):

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	3	0	4	0	0	0	6	0	0
03-05 LST	0	2	2	4	6	1	0	2	0	0	3	0	0
06-08 LST	1	1	1	0	5	3	1	1	1	1	1	1	#
09-11 LST	2	1	1	1	3	1	2	3	3	#	1	1	#
12-14 LST	1	1	0	0	1	0	3	2	#	1	#	#	#
15-17 LST	2	2	0	#	1	#	1	1	1	#	#	#	#
18-20 LST	1	2	1	1	0	0	0	1	2	0	1	2	#
21-23 LST	0	0	0	0	0	0	2	2	0	0	0	0	0
ALL HOURS	1	1	1	1	2	1	2	1	1	#	2	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: BUKOBA, TANZANIA — STATION #: 637290 — ICAO: HTBU
LOCATION: 120S 3149E — ELEVATION (FEET): 3730 — LST = GMT + 3
PREPARED BY: USAFETAC/DOC, JUL 1994 — PERIOD: 7301-9212

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15. % FREQ OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 800/2 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	3	0	3	3	2	0	0	0	0	0	0	0
03-05 LST	2	0	0	0	0	3	0	2	3	0	0	0	0
06-08 LST	0	1	1	2	1	1	1	1	0	#	1	0	0
09-11 LST	2	1	1	1	2	1	1	1	1	2	1	2	#
12-14 LST	1	1	2	1	#	1	1	1	2	0	2	2	#
15-17 LST	1	#	#	#	1	2	0	#	1	1	0	#	#
18-20 LST	0	1	0	2	1	1	1	1	1	1	1	2	#
21-23 LST	0	0	1	1	0	0	0	2	0	2	2	2	#
ALL HOURS	1	1	1	1	1	1	#	1	1	1	1	1	#

16. % FREQ OF CIG/VIS LT 500/1.5 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	3	0	3	3	2	0	0	0	0	0	0	0
03-05 LST	2	0	0	0	0	0	0	2	2	0	0	0	0
06-08 LST	0	1	1	1	1	1	0	0	0	#	1	0	0
09-11 LST	1	1	1	0	2	1	1	1	#	1	#	1	#
12-14 LST	0	1	1	1	#	1	#	1	#	0	1	1	#
15-17 LST	#	0	#	#	1	1	0	#	1	1	0	0	0
18-20 LST	0	0	0	2	1	1	1	1	1	#	1	1	#
21-23 LST	0	0	1	1	0	0	0	2	0	1	2	2	#
ALL HOURS	#	1	#	1	1	1	#	1	0	#	1	1	#

17. % FREQ OF CIG/VIS LT 300/1 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	3	0	3	3	2	0	0	0	0	0	0	0
03-05 LST	2	0	0	0	0	0	0	0	2	0	0	0	0
06-08 LST	0	1	0	1	1	1	0	0	0	#	0	0	0
09-11 LST	#	#	#	0	1	1	#	#	#	1	#	#	#
12-14 LST	0	1	1	1	#	1	#	1	#	0	1	1	#
15-17 LST	#	0	0	0	1	1	0	#	1	#	0	0	0
18-20 LST	0	0	0	2	#	#	1	1	1	0	0	0	0
21-23 LST	0	0	0	1	0	0	0	2	0	0	2	2	#
ALL HOURS	#	1	#	1	1	1	#	1	0	#	0	#	#

18. % FREQ OF CIG/VIS LT 100/.25 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	3	3	2	0	0	0	0	0	0	0
03-05 LST	2	0	0	0	0	0	0	0	0	0	0	0	0
06-08 LST	0	1	0	0	0	1	0	0	0	#	0	0	0
09-11 LST	0	0	0	0	1	1	0	#	#	#	#	0	0
12-14 LST	0	1	1	1	#	1	0	#	#	0	#	#	#
15-17 LST	#	0	0	0	1	1	0	#	1	#	0	0	0
18-20 LST	0	0	0	1	#	#	0	1	#	0	0	0	0
21-23 LST	0	0	0	0	0	0	0	0	0	0	1	1	#
ALL HOURS	#	#	#	1	1	1	0	#	#	#	#	#	#

SOURCE(S): 1. USAFETAC DATSAV2 SURFACE, JAN 73 - DEC 92, 3 HOURLY OBSERVATIONS.
2. NATIONAL INTELLIGENCE SURVEY, MAR 56, 6-19 YEARS OF RECORD.
NOTE: EXTREMELY LIMITED OBSERVATIONS AVAILABLE. USE CAUTIOUSLY.

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: CHIREDZI/BUFFALO RG, ZIMBABWE STATION #: 679770 ICAO: FVCZ
LOCATION: 2101S 3135E ELEVATION (FEET): 1411 LST = GMT + 2
PREPARED BY: USAFETAC/DOC, JUL 1994 PERIOD: 7301-9212

SOURCE NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1. TEMPERATURE (F)													
EXTREME MAX 1	105	105	104	100	100	94	90	99	108	108	109	107	109
MEAN DAILY MAX 1	88	87	86	83	80	75	76	79	84	87	88	87	83
MEAN 1	80	80	78	75	70	65	65	69	74	78	80	80	74
MEAN DAILY MIN 1	73	73	70	65	59	55	53	57	63	67	70	72	65
EXTREME MIN 1	58	58	56	51	45	36	39	38	44	48	55	55	36
# DAYS GE 90 1	12	9	9	5	3	1	#	3	9	12	13	11	86
# DAYS LE 32 1	0	0	0	0	0	0	0	0	0	0	0	0	0
# DAYS LE 0 1	0	0	0	0	0	0	0	0	0	0	0	0	0
2. PRECIPITATION (INCHES)													
MAXIMUM	*	*	*	*	*	*	*	*	*	*	*	*	*
MEAN	*	*	*	*	*	*	*	*	*	*	*	*	*
MINIMUM	*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR	*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE .004	*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE .5	*	*	*	*	*	*	*	*	*	*	*	*	*
3. SNOWFALL (INCHES)													
MEAN	*	*	*	*	*	*	*	*	*	*	*	*	*
MAXIMUM	*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR	*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 0.1	*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*
4. MEAN RELATIVE HUMIDITY (%) / VAPOR PRESSURE (IN HG) / DEWPOINT (F)													
RH (5 LST) 1	86	87	89	87	84	83	81	79	77	80	81	86	83
RH (14 LST) 1	45	51	51	44	38	36	34	32	32	35	42	47	41
VAPOR PRESS 1	.65	.67	.63	.53	.42	.35	.33	.36	.42	.48	.55	.64	.50
DEWPOINT 1	66	66	65	60	53	48	46	48	53	56	60	65	1
5. SURFACE WINDS 16 PT/KTS / 99.95% HIGHEST PRESSURE ALTITUDE (FEET)													
PVLG DRCTN 1	E	E	$S	$S	$S	$S	$SE	$E	E	E	E	E	$E
MEAN SPEED (PVLG DRCTN) 1	4	5	4	4	3	3	4	5	6	6	5	4	4
MEAN SPEED (ALL OBS) 1	4	4	3	3	2	2	3	4	5	5	5	4	4
MAX PEAK GUST 1	*	*	*	*	*	*	*	*	*	*	*	*	*
PRESSURE ALT 1	1751	1781	1662	1647	1605	1556	1567	1521	1730	1809	1846	1753	1846
6. MEAN CLOUD COVER (8THS) / THUNDERSTORMS / FOG / BLOWING SAND & DUST (BNBD)													
CLD COVER 1	4	4	4	3	2	2	1	1	2	3	4	5	3
DAYS TSTMS 1	3	3	1	#	#	#	0	#	#	1	3	4	17
DAYS FOG LT 7 1	#	#	#	#	1	#	1	#	#	#	#	#	4
DAYS BNBD LT 7 1	#	0	#	0	0	0	0	#	0	0	0	0	0

REMARKS: * = DATA NOT AVAILABLE # = LT 0.5 DAY, OR 0.05 INCH, OR 0.5%, AS APPLICABLE $ = % CALM GT PVLGN DRCTN
¢ = BASED ONLY ON AVAILABLE DATA, I.E. LT 24 HRS/DAY, OR LT 12 MONTH/YR
ANNUAL TOTALS MAY NOT EQUAL THE SUM OF MONTHLY TOTALS DUE TO ROUNDING

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: CHIREDZI/BUFFALO RG, ZIMBABWE STATION #: 679770 ICAO: FVCZ
LOCATION: 2101S 3135E ELEVATION (FEET): 1411 LST = GMT + 2
PREPARED BY: USAFETAC/DOC, JUL 1994 PERIOD: 7301-9212

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7. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 3000/3 STATUTE MILES (MI) (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	16	19	17	9	7	8	8	10	14	14	15	20	3
03-05 LST	28	32	23	17	15	15	10	13	23	26	27	24	4
06-08 LST	38	40	39	30	21	20	21	21	30	33	30	36	6
09-11 LST	20	26	21	17	13	13	13	10	17	15	14	16	3
12-14 LST	9	9	7	5	3	2	2	4	9	7	9	13	2
15-17 LST	6	6	4	4	1	2	2	4	7	7	7	8	1
18-20 LST	7	8	8	5	3	2	3	2	9	8	7	9	1
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	15	17	15	11	8	8	7	8	14	14	14	15	3

8. % FREQ OF CIG/VIS LT 1500/3 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	13	15	13	7	5	7	3	5	10	10	11	13	2
03-05 LST	22	29	20	14	12	12	9	9	18	20	20	20	3
06-08 LST	25	31	29	24	16	17	16	16	22	21	20	26	4
09-11 LST	7	8	8	5	4	4	4	6	11	9	8	9	1
12-14 LST	5	4	3	2	2	1	#	2	7	5	6	7	1
15-17 LST	5	4	3	3	1	1	1	2	4	6	6	4	1
18-20 LST	5	7	6	4	1	1	2	2	6	7	5	6	1
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	10	12	10	7	5	5	4	5	10	10	9	11	2

9. % FREQ OF CIG/VIS LT 1000/2 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	11	11	11	5	4	4	2	5	7	7	7	10	2
03-05 LST	18	23	16	8	9	8	7	6	13	15	14	14	2
06-08 LST	18	20	22	15	11	12	11	11	13	11	13	16	3
09-11 LST	5	6	3	3	2	3	2	4	6	6	7	7	1
12-14 LST	2	2	2	1	1	1	#	#	4	2	4	5	1
15-17 LST	4	3	3	1	1	1	1	2	2	5	4	4	1
18-20 LST	4	5	6	2	1	1	1	1	3	4	4	3	1
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	8	9	8	5	4	4	3	4	6	6	7	7	1

10. % FREQ OF CIG/VIS LT 200/0.5 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	#	0	0	0	0	1	#	1	#	1	1	1	#
03-05 LST	#	1	1	1	1	1	1	#	1	1	#	0	0
06-08 LST	#	0	2	1	2	1	2	1	#	1	0	#	#
09-11 LST	0	0	0	0	0	0	#	0	0	#	0	0	0
12-14 LST	0	0	0	#	#	0	0	0	#	#	#	#	#
15-17 LST	0	0	0	0	0	#	#	0	0	1	#	#	#
18-20 LST	0	1	#	#	0	0	#	0	1	1	#	0	0
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	#	#	#	#	#	#	1	#	#	1	#	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: CHIREDZI/BUFFALO RG, ZIMBABWE **STATION #:** 679770 **ICAO:** FVCZ
LOCATION: 2101S 3135E **ELEVATION (FEET):** 1411 **LST = GMT + 2**
PREPARED BY: USAFETAC/DOC, JUL 1994 **PERIOD:** 7301-9212

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11. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF THUNDERSTORMS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	2	3	0	0	0	0	0	#	#	#	2	1	#
03-05 LST	1	1	#	#	0	0	0	0	1	1	1	1	#
06-08 LST	1	0	#	0	0	0	0	0	#	1	2	1	#
09-11 LST	1	1	0	0	0	0	0	0	0	#	#	2	#
12-14 LST	6	7	3	#	0	0	0	0	#	1	4	8	1
15-17 LST	8	8	2	1	0	#	0	0	0	2	4	8	1
18-20 LST	4	5	2	1	0	0	0	0	1	2	6	6	1
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	3	3	1	#	#	#	0	#	#	1	2	3	1

12. % FREQ RAIN AND/OR DRIZZLE:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	8	10	9	4	3	2	1	3	6	7	9	10	2
03-05 LST	12	10	7	4	4	2	2	2	7	9	10	10	2
06-08 LST	11	11	9	7	5	3	3	4	6	7	10	10	2
09-11 LST	8	7	7	2	4	2	1	3	5	5	6	8	1
12-14 LST	6	7	5	3	2	2	#	1	3	5	6	10	2
15-17 LST	8	8	6	3	1	1	#	1	2	6	6	10	2
18-20 LST	8	8	8	4	3	1	1	1	4	5	6	12	2
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	8	8	6	3	3	1	1	2	4	5	7	9	1

13. % FREQ SNOW AND/OR ICE PELLETS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	#	0	0	0	0	0	0	0	0	0	0
03-05 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
06-08 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
09-11 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
12-14 LST	#	0	0	#	0	#	0	0	0	0	0	0	0
15-17 LST	0	0	0	0	0	0	0	0	#	0	0	0	0
18-20 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	#	0	#	#	0	#	0	0	#	0	0	0	0

14. % FREQ OF SURFACE WIND SPEEDS GT 25 KTS. (INCLUDING GUSTS):

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	0	0	#	0	0	0	0
03-05 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
06-08 LST	#	0	#	0	0	0	0	#	#	0	#	0	0
09-11 LST	0	0	0	0	0	0	0	0	0	0	0	#	#
12-14 LST	0	0	0	0	0	#	0	0	0	0	0	0	0
15-17 LST	#	#	0	0	0	0	0	0	0	0	0	#	#
18-20 LST	1	0	#	#	0	0	0	0	#	#	0	0	0
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	#	#	#	#	0	#	0	#	#	#	#	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: CHIREDZI/BUFFALO RG, ZIMBABWE STATION #: 679770 ICAO: FVCZ
LOCATION: 2101S 3135E ELEVATION (FEET): 1411 LST = GMT + 2
PREPARED BY: USAFETAC/DOC, JUL 1994 PERIOD: 7301-9212

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15. % FREQ OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 800/2 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	8	8	10	4	3	4	2	4	7	7	6	8	1
03-05 LST	17	20	14	5	7	7	5	6	11	12	13	11	2
06-08 LST	15	15	19	13	10	9	10	9	11	9	11	13	2
09-11 LST	4	4	2	2	1	2	2	4	6	5	7	6	1
12-14 LST	2	2	2	1	1	#	#	#	3	2	4	4	1
15-17 LST	4	3	3	1	1	1	1	2	2	4	4	3	0
18-20 LST	3	5	5	2	1	1	1	1	3	4	4	3	#
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	7	7	7	4	3	3	3	3	5	6	6	6	1

16. % FREQ OF CIG/VIS LT 500/1.5 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	2	4	4	1	1	2	1	3	3	3	2	2	#
03-05 LST	5	9	4	2	3	1	2	3	3	6	5	5	1
06-08 LST	6	6	9	6	6	3	4	3	4	4	6	7	1
09-11 LST	1	2	2	1	0	1	1	1	2	3	2	2	#
12-14 LST	1	1	1	1	#	#	0	#	1	2	2	3	#
15-17 LST	3	2	1	1	1	1	#	1	1	2	2	2	#
18-20 LST	2	3	3	1	1	0	1	#	2	2	2	2	#
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	3	3	3	2	1	1	1	2	2	3	3	3	#

17. % FREQ OF CIG/VIS LT 300/1 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	#	2	0	0	0	1	#	1	#	1	1	1	#
03-05 LST	1	1	1	1	1	1	1	1	1	2	1	0	0
06-08 LST	2	0	3	2	2	1	3	2	1	1	2	#	#
09-11 LST	#	0	#	1	0	0	#	0	0	1	0	1	#
12-14 LST	1	0	#	#	#	0	0	0	#	1	#	1	#
15-17 LST	1	#	#	#	0	#	#	1	#	1	1	#	#
18-20 LST	0	1	1	#	0	0	1	#	1	1	1	0	0
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	1	1	1	1	#	#	1	#	#	1	1	#	#

18. % FREQ OF CIG/VIS LT 100/.25 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	#	0	0	0	0	1	#	1	#	0	1	0	0
03-05 LST	#	1	#	1	1	#	1	#	#	1	#	0	0
06-08 LST	#	0	#	1	1	1	2	1	#	0	0	0	0
09-11 LST	0	0	0	0	0	0	#	0	0	0	0	0	0
12-14 LST	0	0	0	0	#	0	0	0	0	0	#	0	0
15-17 LST	0	0	0	0	0	#	#	0	0	#	#	#	#
18-20 LST	0	#	#	0	0	0	#	0	0	0	#	0	0
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	#	#	#	#	#	#	1	#	#	#	#	#	#

SOURCE(S): 1. USAFETAC DATSAV2 SURFACE, JAN 73 - DEC 92, 3 HOURLY OBSERVATIONS.

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: ENTEBBE INTL ARPT, UGANDA STATION #: 637050 ICAO: HUEN
LOCATION: 3N 3227E ELEVATION (FEET): 3790 LST = GMT + 3
PREPARED BY: USAFETAC/DOC, JUL 1994 PERIOD: 7301-9212

SOURCE NO.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1. TEMPERATURE (F)														
EXTREME MAX	1	88	97	99	97	90	85	87	84	88	85	87	86	99
MEAN DAILY MAX	1	77	77	77	76	75	74	75	74	75	76	76	77	76
MEAN	1	73	73	73	72	72	71	70	70	71	72	72	72	72
MEAN DAILY MIN	1	69	69	70	69	68	67	66	66	67	68	69	69	68
EXTREME MIN	1	61	57	63	63	62	62	60	58	57	59	60	59	57
# DAYS GE 90	1	0	#	#	#	#	0	0	0	0	0	0	0	2
# DAYS LE 32	1	0	0	0	0	0	0	0	0	0	0	0	0	0
# DAYS LE 0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2. PRECIPITATION (INCHES)														
MAXIMUM	2	9.3	8.3	13.7	17.5	24.8	11.5	7.9	7.3	10.8	10.4	15.1	13.3	90.7
MEAN	2	2.5	3.5	6.2	10.1	9.7	4.6	3.0	3.0	3.1	3.7	5.1	4.5	58.9
MINIMUM	2	0.2	0.2	0.8	3.6	3.3	1.0	#	0.2	0.1	0.8	0.9	0.2	39.3
MAX 24 HR	2	2.4	3.3	3.4	4.2	4.1	4.3	2.6	4.4	3.0	3.6	6.3	4.5	6.3
# DAYS GE .004	2	9	11	16	22	23	14	10	12	11	13	17	12	170
# DAYS GE .5		*	*	*	*	*	*	*	*	*	*	*	*	*
3. SNOWFALL (INCHES)														
MEAN		*	*	*	*	*	*	*	*	*	*	*	*	*
MAXIMUM		*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR		*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 0.1		*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 1.5		*	*	*	*	*	*	*	*	*	*	*	*	*
4. MEAN RELATIVE HUMIDITY (%) / VAPOR PRESSURE (IN HG) / DEWPOINT (F)														
RH (6 LST)	1	90	90	93	92	94	91	93	94	93	93	93	92	93
RH (15 LST)	1	62	60	63	68	70	67	65	68	64	65	65	61	65
VAPOR PRESS	1	.62	.63	.65	.66	.65	.62	.60	.61	.62	.63	.63	.62	.63
DEWPOINT	1	64	65	66	66	66	64	63	64	64	65	65	64	1
5. SURFACE WINDS 16 PT/KTS / 99.95% HIGHEST PRESSURE ALTITUDE (FEET)														
PVLG DRCTN	1	$S	SE	SE	SE	SE	SE	SE	N	N	N	$N	$S	SE
MEAN SPEED (PVLG DRCTN)	1	9	9	10	8	9	9	10	6	6	6	6	8	8
MEAN SPEED (ALL OBS)	1	6	6	7	6	6	6	6	6	6	6	6	6	6
MAX PEAK GUST	1	*	*	*	*	*	*	*	*	*	*	*	*	*
PRESSURE ALT	1	3753	3795	3828	3953	3965	4004	3692	3745	4023	4155	4090	3856	4155
6. MEAN CLOUD COVER (8THS) / THUNDERSTORMS / FOG / BLOWING SAND & DUST (BNBD)														
CLD COVER	1	5	5	6	6	6	5	5	5	5	6	6	5	5
DAYS TSTMS	1	6	7	8	8	7	7	6	7	10	8	7	7	88
DAYS FOG LT 7	1	1	1	#	#	#	#	1	#	0	0	#	#	4
DAYS BNBD LT 7	1	#	#	#	0	0	0	#	0	0	0	0	#	1

REMARKS: * = DATA NOT AVAILABLE # = LT 0.5 DAY, OR 0.05 INCH, OR 0.5%, AS APPLICABLE $ = % CALM GT PVLGN DRCTN
¢ = BASED ONLY ON AVAILABLE DATA, I.E. LT 24 HRS/DAY, OR LT 12 MONTH/YR
ANNUAL TOTALS MAY NOT EQUAL THE SUM OF MONTHLY TOTALS DUE TO ROUNDING

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: ENTEBBE INTL ARPT, UGANDA | STATION #: 637050 | ICAO: HUEN
LOCATION: 3N 3227E | ELEVATION (FEET): 3790 | LST = GMT + 3
PREPARED BY: USAFETAC/DOC, JUL 1994 | PERIOD: 7301-9212

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7. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 3000/3 STATUTE MILES (MI) (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	7	3	2	2	2	5	0	3	0	2	3	4	1
03-05 LST	5	4	7	4	3	4	2	2	2	0	5	7	1
06-08 LST	9	12	12	8	2	5	5	9	7	6	5	13	2
09-11 LST	12	9	10	14	15	14	11	16	10	9	11	6	1
12-14 LST	9	4	8	13	14	13	10	20	13	6	12	10	2
15-17 LST	2	4	5	5	4	5	4	6	3	5	6	5	1
18-20 LST	2	6	9	3	3	0	0	2	3	1	3	1	#
21-23 LST	0	2	3	1	1	1	0	3	2	2	4	1	#
ALL HOURS	6	6	7	6	5	6	4	7	5	4	6	6	1

8. % FREQ OF CIG/VIS LT 1500/3 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	7	3	0	2	2	5	0	0	0	2	3	4	1
03-05 LST	4	3	2	4	3	4	2	1	1	0	2	6	1
06-08 LST	3	10	6	7	2	5	4	7	2	3	4	9	1
09-11 LST	7	8	7	7	10	5	6	8	5	4	8	5	1
12-14 LST	4	1	4	3	3	6	9	8	5	2	3	4	1
15-17 LST	2	2	5	1	1	1	2	2	1	2	1	3	1
18-20 LST	2	3	8	3	2	0	0	0	3	0	0	0	0
21-23 LST	0	2	3	1	1	1	0	2	1	2	4	1	#
ALL HOURS	4	4	4	3	3	3	3	3	2	2	3	4	1

9. % FREQ OF CIG/VIS LT 1000/2 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	7	3	0	2	2	5	0	0	0	2	0	4	1
03-05 LST	2	1	1	1	3	3	1	1	1	0	1	5	1
06-08 LST	1	10	4	6	0	3	3	5	1	3	3	5	1
09-11 LST	4	6	5	6	5	3	3	6	3	2	4	3	1
12-14 LST	2	0	3	1	1	1	5	6	3	2	3	2	#
15-17 LST	1	1	4	1	1	1	2	1	1	1	1	1	#
18-20 LST	2	3	7	3	2	0	0	0	1	0	0	0	0
21-23 LST	0	2	3	1	0	1	0	2	1	2	3	1	#
ALL HOURS	2	3	3	3	2	2	2	2	1	1	2	3	#

10. % FREQ OF CIG/VIS LT 200/0.5 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	2	0	0	0	0	3	0	0	0	0	0	0	0
03-05 LST	1	0	0	0	1	1	1	1	0	0	0	1	#
06-08 LST	1	3	1	1	0	2	1	0	1	1	0	2	#
09-11 LST	2	1	#	1	1	0	1	1	2	#	2	1	#
12-14 LST	0	0	0	0	0	1	2	2	1	1	1	1	#
15-17 LST	0	1	1	0	0	0	1	0	0	1	0	1	#
18-20 LST	0	0	0	1	0	0	0	0	1	0	0	0	0
21-23 LST	0	0	1	0	0	0	0	0	0	0	1	0	0
ALL HOURS	1	0	#	#	#	1	1	1	1	#	#	1	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: ENTEBBE INTL ARPT, UGANDA **STATION #:** 637050 **ICAO:** HUEN
LOCATION: 3N 3227E **ELEVATION (FEET):** 3790 **LST = GMT + 3**
PREPARED BY: USAFETAC/DOC, JUL 1994 **PERIOD:** 7301-9212

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11. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF THUNDERSTORMS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	2	0	12	4	4	3	0	5	0	0	5	0	0
03-05 LST	7	12	20	29	22	8	3	5	16	7	25	9	2
06-08 LST	21	19	37	43	33	29	19	17	23	27	39	29	5
09-11 LST	29	17	23	21	26	33	21	19	21	17	24	30	5
12-14 LST	14	14	8	13	13	21	13	16	13	10	8	9	2
15-17 LST	12	13	6	19	12	15	14	22	29	31	19	13	2
18-20 LST	6	15	9	17	5	4	5	15	17	14	9	5	1
21-23 LST	2	3	6	5	1	1	1	4	10	6	4	3	#
ALL HOURS	12	11	15	19	15	14	9	13	16	14	17	12	2

12. % FREQ RAIN AND/OR DRIZZLE:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	7	0	7	4	6	3	4	3	0	0	0	4	1
03-05 LST	8	7	14	13	9	3	1	5	2	6	10	6	1
06-08 LST	11	9	21	35	22	3	2	3	5	7	18	16	3
09-11 LST	17	6	15	20	21	14	7	7	6	11	15	13	2
12-14 LST	10	6	5	12	13	15	11	8	8	5	7	9	2
15-17 LST	5	3	1	6	3	5	7	8	6	2	1	2	#
18-20 LST	1	8	4	4	5	2	2	5	5	1	5	1	#
21-23 LST	2	2	2	3	2	2	2	2	6	1	2	1	#
ALL HOURS	8	5	9	12	10	6	5	5	5	4	7	7	1

13. % FREQ SNOW AND/OR ICE PELLETS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	3	0	0	0	0	0	0	0
03-05 LST	0	1	1	0	0	0	0	0	0	0	0	0	0
06-08 LST	0	1	0	0	0	0	0	0	0	0	0	0	0
09-11 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
12-14 LST	0	0	0	0	0	0	0	0	0	1	1	0	0
15-17 LST	0	0	0	1	0	0	0	0	0	0	1	0	0
18-20 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
21-23 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL HOURS	0	#	#	#	0	#	0	0	0	#	#	0	0

14. % FREQ OF SURFACE WIND SPEEDS GT 25 KTS. (INCLUDING GUSTS):

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	0	3	0	0	0	0	0
03-05 LST	0	1	2	0	0	1	1	1	1	1	1	0	0
06-08 LST	0	0	0	1	0	0	1	0	0	0	0	0	0
09-11 LST	0	1	1	0	1	1	#	1	#	0	0	1	#
12-14 LST	0	0	0	0	2	2	1	1	1	0	1	1	#
15-17 LST	1	1	0	1	0	1	1	1	1	1	0	2	#
18-20 LST	1	1	0	1	0	0	2	0	1	1	0	1	#
21-23 LST	0	1	0	0	2	1	0	0	1	1	0	0	0
ALL HOURS	#	1	#	#	1	1	1	1	1	#	#	1	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: ENTEBBE INTL ARPT, UGANDA STATION #: 637050 ICAO: HUEN
LOCATION: 3N 3227E ELEVATION (FEET): 3790 LST = GMT + 3
PREPARED BY: USAFETAC/DOC, JUL 1994 PERIOD: 7301-9212

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15. % FREQ OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 800/2 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	7	3	0	2	2	5	0	0	0	2	0	4	1
03-05 LST	2	1	1	1	3	3	1	1	1	0	1	5	1
06-08 LST	1	10	4	6	0	3	3	5	1	3	3	5	1
09-11 LST	4	6	5	6	5	3	3	5	3	2	3	3	1
12-14 LST	2	0	3	1	1	1	5	6	3	2	3	2	#
15-17 LST	1	1	4	1	1	1	2	1	1	1	1	1	#
18-20 LST	2	3	7	3	2	0	0	0	1	0	0	0	0
21-23 LST	0	2	3	1	0	1	0	2	1	2	3	1	#
ALL HOURS	2	3	3	3	2	2	2	2	1	1	2	3	#

16. % FREQ OF CIG/VIS LT 500/1.5 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	4	0	0	2	2	5	0	0	0	2	0	0	0
03-05 LST	2	0	0	1	2	3	1	1	1	0	0	2	#
06-08 LST	1	7	1	3	0	3	1	4	1	2	1	3	1
09-11 LST	2	3	3	4	3	1	2	3	2	1	3	3	#
12-14 LST	1	0	2	1	0	1	3	5	2	2	1	2	#
15-17 LST	1	1	1	0	0	1	1	1	1	1	0	1	#
18-20 LST	2	1	1	1	0	0	0	0	1	0	0	0	0
21-23 LST	0	1	2	0	0	1	0	1	0	1	1	1	#
ALL HOURS	2	2	1	2	1	2	1	2	1	1	1	1	#

17. % FREQ OF CIG/VIS LT 300/1 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	2	0	0	0	0	5	0	0	0	0	0	0	0
03-05 LST	2	0	0	0	2	1	1	1	0	0	0	2	#
06-08 LST	1	6	1	3	0	3	1	2	1	1	0	3	1
09-11 LST	2	2	1	1	1	0	1	1	2	1	2	2	#
12-14 LST	0	0	0	0	0	1	2	2	1	1	1	1	#
15-17 LST	0	1	1	0	0	1	1	0	1	1	0	1	#
18-20 LST	1	0	0	1	0	0	0	0	1	0	0	0	0
21-23 LST	0	1	1	0	0	0	0	0	0	0	1	0	0
ALL HOURS	1	1	1	1	#	1	1	1	1	#	#	1	#

18. % FREQ OF CIG/VIS LT 100/.25 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	2	0	0	0	0	3	0	0	0	0	0	0	0
03-05 LST	1	0	0	0	1	1	1	1	0	0	0	1	#
06-08 LST	1	1	0	0	0	2	1	0	1	0	0	1	#
09-11 LST	2	0	0	0	1	0	0	1	1	#	1	0	0
12-14 LST	0	0	0	0	0	1	1	1	1	1	1	0	0
15-17 LST	0	1	0	0	0	0	0	0	0	1	0	1	#
18-20 LST	0	0	0	1	0	0	0	0	1	0	0	0	0
21-23 LST	0	0	1	0	0	0	0	0	0	0	1	0	0
ALL HOURS	1	#	#	#	#	1	#	#	#	#	#	#	#

SOURCE(S): 1. USAFETAC DATSAV2 SURFACE, JAN 73 - DEC 92, 3 HOURLY OBSERVATIONS.
2. NATIONAL INTELLIGENCE SURVEY, SEP 68, 18-65 YEARS OF RECORD.
NOTE: EXTREMELY LIMITED OBSERVATIONS AVAILABLE. USE CAUTIOUSLY.

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: HARARE/KUTSAGA, ZIMBABWE STATION #: 677750 ICAO: FVHA
LOCATION: 1755S 3108E ELEVATION (FEET): 4931 LST = GMT + 2
PREPARED BY: USAFETAC/DOC, JUL 1994 PERIOD: 7301-9212

SOURCE NO.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1. TEMPERATURE (F)														
EXTREME MAX	1	90	90	92	88	85	85	86	88	90	92	93	91	93
MEAN DAILY MAX	1	77	77	77	75	71	67	67	71	77	80	80	77	75
MEAN	1	70	69	69	66	62	58	57	61	67	70	71	69	66
MEAN DAILY MIN	1	64	63	62	59	54	50	49	51	57	61	63	63	58
EXTREME MIN	1	52	53	52	46	42	37	38	40	43	46	50	50	37
# DAYS GE 90	1	#	#	#	0	0	0	0	0	#	#	1	#	2
# DAYS LE 32	1	0	0	0	0	0	0	0	0	0	0	0	0	0
# DAYS LE 0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2. PRECIPITATION (INCHES)														
MAXIMUM		*	*	*	*	*	*	*	*	*	*	*	*	*
MEAN	2	7.4	6.4	4.5	1.1	0.5	0.1	#	0.1	0.3	1.1	3.7	5.9	0.9
MINIMUM		*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR	2	3.4	4.1	5.0	1.6	1.3	0.5	0.4	0.9	1.5	1.7	2.2	3.9	5.0
# DAYS GE .004	2	17	16	12	4	2	#	#	#	1	4	11	16	83
# DAYS GE .5		*	*	*	*	*	*	*	*	*	*	*	*	*
3. SNOWFALL (INCHES)														
MEAN		*	*	*	*	*	*	*	*	*	*	*	*	*
MAXIMUM		*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR		*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 0.1		*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 1.5		*	*	*	*	*	*	*	*	*	*	*	*	*
4. MEAN RELATIVE HUMIDITY (%) / VAPOR PRESSURE (IN HG) / DEWPOINT (F)														
RH (5 LST)	1	89	91	90	89	82	82	79	76	71	71	76	85	82
RH (14 LST)	1	54	57	53	46	38	37	33	29	27	31	40	54	42
VAPOR PRESS	1	.52	.53	.51	.42	.33	.28	.26	.26	.30	.37	.43	.51	.39
DEWPOINT	1	59	60	58	53	47	42	40	41	44	49	54	58	1
5. SURFACE WINDS 16 PT/KTS / 99.95% HIGHEST PRESSURE ALTITUDE (FEET)														
PVLG DRCTN	1	NE	ENE	E	E	E	E	E	NE	ENE	ENE	ENE	ENE	ENE
MEAN SPEED (PVLG DRCTN)	1	7	7	6	6	5	6	6	8	8	9	9	7	7
MEAN SPEED (ALL OBS)	1	6	6	6	6	5	6	6	7	8	9	8	7	7
MAX PEAK GUST	1	*	*	*	*	*	*	*	*	*	*	*	*	*
PRESSURE ALT	1	6016	6201	6012	6105	5870	5242	5804	6406	6047	6117	5600	5617	6406
6. MEAN CLOUD COVER (8THS) / THUNDERSTORMS / FOG / BLOWING SAND & DUST (BNBD)														
CLD COVER	1	5	5	4	3	2	1	1	1	1	2	4	5	3
DAYS TSTMS	1	8	6	4	1	#	#	#	#	#	2	6	8	37
DAYS FOG LT 7	1	1	1	1	1	1	1	1	1	#	#	#	1	8
DAYS BNBD LT 7	1	0	#	#	0	#	#	0	#	0	#	0	0	0

REMARKS: * = DATA NOT AVAILABLE # = LT 0.5 DAY, OR 0.05 INCH, OR 0.5%, AS APPLICABLE $ = % CALM GT PVLGN DRCTN
¢ = BASED ONLY ON AVAILABLE DATA, I.E. LT 24 HRS/DAY, OR LT 12 MONTH/YR
ANNUAL TOTALS MAY NOT EQUAL THE SUM OF MONTHLY TOTALS DUE TO ROUNDING

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: HARARE/KUTSAGA, ZIMBABWE STATION #: 677750 ICAO: FVHA
LOCATION: 1755S 3108E ELEVATION (FEET): 4931 LST = GMT + 2
PREPARED BY: USAFETAC/DOC, JUL 1994 PERIOD: 7301-9212

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7. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 3000/3 STATUTE MILES (MI) (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	11	18	16	9	5	3	4	3	6	6	5	13	2
03-05 LST	16	18	15	11	9	7	5	3	8	7	8	21	4
06-08 LST	23	32	22	16	10	9	8	6	14	8	8	24	4
09-11 LST	22	28	22	11	5	5	3	3	7	4	7	20	3
12-14 LST	11	12	7	5	2	2	1	#	3	2	2	11	2
15-17 LST	5	8	4	3	1	1	#	#	3	2	4	7	1
18-20 LST	7	8	5	3	2	2	1	1	5	3	3	9	1
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	12	15	11	7	4	4	3	2	6	4	5	13	2

8. % FREQ OF CIG/VIS LT 1500/3 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	10	16	13	8	4	2	3	2	6	6	4	12	2
03-05 LST	15	18	13	11	8	6	5	3	8	6	7	19	3
06-08 LST	22	30	21	15	8	9	8	5	13	7	7	23	4
09-11 LST	6	11	5	2	1	1	1	2	6	2	2	7	1
12-14 LST	4	5	3	2	1	1	1	#	2	2	2	6	1
15-17 LST	3	5	3	2	1	1	0	0	3	1	3	5	1
18-20 LST	6	7	4	2	2	2	1	1	4	2	3	8	1
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	8	12	8	5	3	3	2	2	5	3	3	10	2

9. % FREQ OF CIG/VIS LT 1000/2 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	9	12	9	5	3	2	2	1	3	5	3	10	2
03-05 LST	14	16	11	8	7	5	3	2	4	5	5	16	3
06-08 LST	16	24	16	12	7	7	6	3	5	4	5	16	3
09-11 LST	3	5	2	1	#	1	1	1	2	1	2	3	#
12-14 LST	3	3	1	#	#	#	#	0	1	1	1	4	1
15-17 LST	2	3	2	1	1	#	0	0	1	1	2	3	1
18-20 LST	4	6	3	2	1	1	#	#	2	2	2	7	1
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	6	9	5	4	2	2	2	1	2	2	3	7	1

10. % FREQ OF CIG/VIS LT 200/0.5 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	1	0	0	0	#	#	0	#	#	#	#	#
03-05 LST	2	2	0	1	1	1	#	#	0	0	#	1	#
06-08 LST	1	2	1	1	1	1	1	#	0	0	#	#	#
09-11 LST	#	0	#	#	0	#	0	#	#	#	#	#	#
12-14 LST	#	#	#	#	0	0	0	0	#	#	0	#	#
15-17 LST	0	#	0	#	0	#	0	0	0	0	1	0	0
18-20 LST	#	1	0	#	0	#	#	#	#	0	#	#	#
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	#	1	#	#	#	#	#	#	#	#	#	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: HARARE/KUTSAGA, ZIMBABWE STATION #: 677750 ICAO: FVHA
LOCATION: 1755S 3108E ELEVATION (FEET): 4931 LST = GMT + 2
PREPARED BY: USAFETAC/DOC, JUL 1994 PERIOD: 7301-9212

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11. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF THUNDERSTORMS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	4	1	2	#	0	0	0	0	#	1	2	2	#
03-05 LST	2	1	#	0	0	0	0	0	0	#	1	1	#
06-08 LST	1	1	#	0	0	0	0	0	#	1	2	1	#
09-11 LST	1	1	1	0	0	0	0	#	0	0	1	3	#
12-14 LST	10	8	5	1	#	#	#	0	#	1	8	12	2
15-17 LST	15	12	7	2	#	0	0	#	1	4	11	15	2
18-20 LST	10	6	4	1	#	0	0	0	1	4	7	7	1
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	5	4	2	1	#	#	#	#	#	1	4	5	1

12. % FREQ RAIN AND/OR DRIZZLE:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	15	14	9	4	1	#	#	0	1	3	7	14	2
03-05 LST	11	11	5	2	1	1	#	0	0	3	4	15	2
06-08 LST	8	11	5	3	2	1	#	#	1	3	6	10	2
09-11 LST	5	11	5	4	#	1	#	1	#	1	3	10	2
12-14 LST	13	18	10	6	2	1	1	#	1	4	9	19	3
15-17 LST	19	17	13	8	2	#	1	#	2	6	13	21	3
18-20 LST	18	18	12	6	3	1	2	1	2	8	10	19	3
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	11	12	7	4	1	1	1	#	1	3	6	13	2

13. % FREQ SNOW AND/OR ICE PELLETS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
03-05 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
06-08 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
09-11 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
12-14 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
15-17 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
18-20 LST	0	0	0	0	0	0	0	0	0	#	0	0	0
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	0	0	0	0	0	0	0	0	0	#	0	0	0

14. % FREQ OF SURFACE WIND SPEEDS GT 25 KTS. (INCLUDING GUSTS):

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	#	0	#	0	0	0	0	#	0	0	0	#	#
03-05 LST	#	0	0	#	0	0	0	0	0	0	0	0	0
06-08 LST	0	#	0	0	#	0	0	0	0	#	0	#	#
09-11 LST	0	0	0	0	0	#	0	0	0	0	#	0	0
12-14 LST	#	#	0	0	0	0	0	#	0	#	0	0	0
15-17 LST	0	0	0	0	#	0	0	0	0	0	0	0	0
18-20 LST	0	#	#	0	#	0	#	0	0	#	0	#	#
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	#	#	#	#	#	#	#	#	0	#	#	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: HARARE/KUTSAGA, ZIMBABWE STATION #: 677750 ICAO: FVHA
LOCATION: 1755S 3108E ELEVATION (FEET): 4931 LST = GMT + 2
PREPARED BY: USAFETAC/DOC, JUL 1994 PERIOD: 7301-9212

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15. % FREQ OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 800/2 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	8	11	7	5	2	2	2	1	3	4	3	9	2
03-05 LST	12	14	9	7	6	4	3	2	3	4	5	14	2
06-08 LST	13	21	13	9	6	6	5	3	4	3	4	13	2
09-11 LST	2	3	2	1	0	1	#	1	2	1	1	3	#
12-14 LST	3	3	1	#	#	#	#	0	1	1	1	4	1
15-17 LST	2	3	2	1	1	#	0	0	1	1	2	3	1
18-20 LST	4	5	3	2	1	1	#	#	1	2	2	7	1
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	6	8	5	3	2	2	1	1	2	2	2	7	1

16. % FREQ OF CIG/VIS LT 500/1.5 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	2	4	1	#	0	1	1	#	1	#	1	2	#
03-05 LST	5	7	1	2	2	3	1	1	1	1	2	4	1
06-08 LST	5	8	4	2	2	3	2	1	1	1	1	4	1
09-11 LST	1	1	1	#	0	1	#	1	1	#	1	2	#
12-14 LST	2	2	1	#	0	#	0	0	#	1	1	2	#
15-17 LST	1	1	#	#	#	#	0	0	1	#	1	2	#
18-20 LST	2	2	1	1	#	1	#	#	1	#	1	2	#
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	2	3	1	1	#	1	1	#	1	1	1	2	#

17. % FREQ OF CIG/VIS LT 300/1 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	#	1	#	0	0	#	#	#	#	#	#	#	#
03-05 LST	2	3	0	1	1	1	#	#	#	#	1	1	#
06-08 LST	1	3	1	1	1	1	1	#	1	0	#	0	#
09-11 LST	1	#	#	#	0	#	#	#	#	#	#	1	#
12-14 LST	1	1	#	#	0	#	0	0	#	#	0	1	#
15-17 LST	1	1	0	#	0	#	0	0	1	0	1	#	#
18-20 LST	1	1	#	#	0	#	#	#	#	0	1	1	#
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	1	1	#	#	#	#	#	#	#	#	#	1	#

18. % FREQ OF CIG/VIS LT 100/.25 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	1	0	0	0	#	#	0	#	#	#	0	0
03-05 LST	1	1	0	1	1	1	#	0	0	0	#	1	#
06-08 LST	#	1	#	0	#	1	#	#	0	0	#	#	#
09-11 LST	0	0	#	#	0	0	0	#	#	0	#	0	0
12-14 LST	0	0	#	#	0	0	0	0	0	#	0	0	0
15-17 LST	0	#	0	0	0	#	0	0	0	0	#	0	0
18-20 LST	#	#	0	#	0	#	0	#	0	0	#	0	0
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	#	#	#	#	#	#	#	#	#	#	#	#	#

SOURCE(S): 1. USAFETAC DATSAV2 SURFACE, JAN 73 - DEC 92, 3 HOURLY OBSERVATIONS.
2. NATIONAL INTELLIGENCE SURVEY, DEC 55, 12-37 YEARS OF RECORD.

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: KAROI, ZIMBABWE — STATION #: 677650 — ICAO: FVKA
LOCATION: 1650S 2937E — ELEVATION (FEET): 4410 — LST = GMT + 2
PREPARED BY: USAFETAC/DOC, JUL 1994 — PERIOD: 7301-9212

SOURCE NO.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1. TEMPERATURE (F)														
EXTREME MAX	1	89	91	90	89	88	82	85	87	92	93	96	92	96
MEAN DAILY MAX	1	77	77	77	76	73	70	69	73	80	82	81	77	76
MEAN	1	70	70	70	68	64	61	60	64	70	73	73	71	68
MEAN DAILY MIN	1	65	65	64	61	56	52	51	53	59	63	65	64	60
EXTREME MIN	1	56	56	54	46	44	37	36	42	43	48	51	54	36
# DAYS GE 90	1	0	#	#	0	0	0	0	0	1	2	1	#	5
# DAYS LE 32	1	0	0	0	0	0	0	0	0	0	0	0	0	0
# DAYS LE 0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2. PRECIPITATION (INCHES)														
MAXIMUM		*	*	*	*	*	*	*	*	*	*	*	*	*
MEAN		*	*	*	*	*	*	*	*	*	*	*	*	*
MINIMUM		*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR		*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE .004		*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE .5		*	*	*	*	*	*	*	*	*	*	*	*	*
3. SNOWFALL (INCHES)														
MEAN		*	*	*	*	*	*	*	*	*	*	*	*	*
MAXIMUM		*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR		*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 0.1		*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 1.5		*	*	*	*	*	*	*	*	*	*	*	*	*
4. MEAN RELATIVE HUMIDITY (%) / VAPOR PRESSURE (IN HG) / DEWPOINT (F)														
RH (5 LST)	1	93	93	95	91	86	82	81	76	66	67	77	89	83
RH (14 LST)	1	64	65	60	51	41	36	34	29	26	30	41	61	45
VAPOR PRESS	1	.59	.59	.57	.48	.38	.31	.28	.29	.31	.38	.46	.56	.43
DEWPOINT	1	63	63	62	57	50	45	42	43	45	50	55	61	1
5. SURFACE WINDS 16 PT/KTS / 99.95% HIGHEST PRESSURE ALTITUDE (FEET)														
PVLG DRCTN	1	ENE	ENE	ENE	ENE	E	E	E	E	ENE	ENE	ENE	ENE	ENE
MEAN SPEED (PVLG DRCTN)	1	6	5	6	6	5	5	5	5	7	7	7	6	6
MEAN SPEED (ALL OBS)	1	5	4	5	5	5	5	5	6	7	7	6	5	5
MAX PEAK GUST		*	*	*	*	*	*	*	*	*	*	*	*	*
PRESSURE ALT	1	6148	6423	6138	6010	6148	6148	5932	6511	6341	6148	5952	5646	6511
6. MEAN CLOUD COVER (8THS) / THUNDERSTORMS / FOG / BLOWING SAND & DUST (BNBD)														
CLD COVER	1	5	5	4	3	2	1	1	1	1	2	4	5	3
DAYS TSTMS	1	14	12	10	3	#	#	#	#	#	4	9	12	66
DAYS FOG LT 7	1	1	1	1	1	#	1	#	#	0	#	#	#	6
DAYS BNBD LT 7	1	0	0	#	0	0	0	0	0	#	0	#	0	0

REMARKS: * = DATA NOT AVAILABLE # = LT 0.5 DAY, OR 0.05 INCH, OR 0.5%, AS APPLICABLE $ = % CALM GT PVLGN DRCTN
¢ = BASED ONLY ON AVAILABLE DATA, I.E. LT 24 HRS/DAY, OR LT 12 MONTH/YR
ANNUAL TOTALS MAY NOT EQUAL THE SUM OF MONTHLY TOTALS DUE TO ROUNDING

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: KAROI, ZIMBABWE | STATION #: 677650 | ICAO: FVKA
LOCATION: 1650S 2937E | ELEVATION (FEET): 4410 | LST = GMT + 2
PREPARED BY: USAFETAC/DOC, JUL 1994 | PERIOD: 7301-9212

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7. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 3000/3 STATUTE MILES (MI) (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	16	21	15	7	3	3	1	1	11	3	4	11	2
03-05 LST	29	29	26	12	5	3	3	2	14	6	6	22	4
06-08 LST	38	44	43	22	11	5	3	3	13	9	12	32	5
09-11 LST	38	42	34	13	4	2	2	1	11	6	5	29	5
12-14 LST	20	22	13	6	2	1	1	3	15	6	3	17	3
15-17 LST	6	6	4	3	#	1	1	2	21	7	2	7	1
18-20 LST	4	4	4	2	2	#	1	2	17	4	2	3	1
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	19	21	17	8	3	2	2	2	13	5	4	15	3

8. % FREQ OF CIG/VIS LT 1500/3 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	15	20	14	6	3	2	1	1	11	3	4	11	2
03-05 LST	29	28	25	12	4	3	3	2	13	6	6	21	4
06-08 LST	37	43	42	21	9	4	2	3	12	7	10	30	5
09-11 LST	13	14	8	3	1	#	1	1	11	4	2	14	2
12-14 LST	4	7	3	2	1	1	#	3	15	5	2	9	1
15-17 LST	3	3	2	2	#	1	#	2	21	6	1	5	1
18-20 LST	3	4	3	1	1	#	#	2	17	4	2	3	#
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	13	15	12	6	2	1	1	2	13	4	3	12	2

9. % FREQ OF CIG/VIS LT 1000/2 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	14	19	14	6	3	2	1	0	3	2	4	11	2
03-05 LST	28	28	25	11	4	3	3	#	3	2	6	21	4
06-08 LST	33	40	38	19	9	4	2	1	4	4	6	24	4
09-11 LST	6	9	4	2	1	#	#	#	4	1	1	10	2
12-14 LST	4	5	2	1	#	1	#	1	4	2	2	6	1
15-17 LST	3	3	2	2	#	1	#	1	7	2	1	3	#
18-20 LST	3	3	3	1	1	#	#	1	5	1	2	3	#
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	11	14	11	5	2	1	1	1	4	2	3	10	2

10. % FREQ OF CIG/VIS LT 200/0.5 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	2	5	3	1	1	1	1	0	#	0	#	1	#
03-05 LST	6	6	4	2	#	2	2	#	0	#	#	1	#
06-08 LST	2	4	1	1	1	1	1	0	0	1	#	1	#
09-11 LST	#	0	0	0	0	0	#	0	#	#	#	0	0
12-14 LST	#	#	0	#	0	0	#	#	0	0	0	#	#
15-17 LST	#	0	#	0	0	0	#	0	0	#	#	#	#
18-20 LST	#	0	#	#	0	0	#	#	#	#	1	0	0
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	1	2	1	1	#	#	1	#	#	#	#	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: KAROI, ZIMBABWE | STATION #: 677650 | ICAO: FVKA
LOCATION: 1650S 2937E | ELEVATION (FEET): 4410 | LST = GMT + 2
PREPARED BY: USAFETAC/DOC, JUL 1994 | PERIOD: 7301-9212

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11. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF THUNDERSTORMS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	13	6	6	0	0	#	0	0	0	3	6	8	1
03-05 LST	7	4	3	0	0	#	0	0	#	2	7	5	1
06-08 LST	3	3	2	#	0	#	0	0	0	1	4	3	#
09-11 LST	4	4	2	#	0	0	0	0	0	#	3	6	1
12-14 LST	24	25	15	5	#	0	#	#	#	5	15	21	3
15-17 LST	33	29	23	7	1	#	0	#	1	8	18	25	4
18-20 LST	17	17	12	1	#	0	0	#	#	4	8	11	2
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	13	11	8	2	#	#	#	#	#	3	8	10	2

12. % FREQ RAIN AND/OR DRIZZLE:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	13	12	8	3	1	1	1	0	0	5	9	12	2
03-05 LST	15	14	10	4	#	0	#	0	#	5	9	14	2
06-08 LST	16	16	8	4	1	#	1	0	#	3	8	19	3
09-11 LST	12	12	7	3	1	#	1	#	#	2	3	16	3
12-14 LST	14	16	10	6	1	1	#	#	#	3	8	16	3
15-17 LST	14	14	8	6	2	#	1	#	1	4	8	14	2
18-20 LST	12	12	8	2	1	1	#	1	1	3	6	11	2
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	12	12	7	4	1	#	#	#	#	3	6	13	2

13. % FREQ SNOW AND/OR ICE PELLETS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	#	0	0	0	0	0	0	0	0	0	0	0	0
03-05 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
06-08 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
09-11 LST	0	0	0	0	0	0	0	0	0	0	#	0	0
12-14 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
15-17 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
18-20 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	#	0	0	0	0	0	0	0	0	0	#	0	0

14. % FREQ OF SURFACE WIND SPEEDS GT 25 KTS. (INCLUDING GUSTS):

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	#	0	0	0	0	0	0
03-05 LST	0	0	0	0	0	0	#	0	0	0	0	0	0
06-08 LST	#	0	#	0	0	0	0	#	#	0	0	#	#
09-11 LST	#	0	0	0	0	#	#	0	0	0	0	0	0
12-14 LST	0	#	0	0	0	#	#	0	#	#	0	#	#
15-17 LST	0	0	#	0	0	0	0	0	0	0	0	0	0
18-20 LST	0	0	#	#	#	0	#	#	#	#	0	0	0
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	#	#	#	#	#	#	#	#	#	#	0	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: KAROI, ZIMBABWE | STATION #: 677650 | ICAO: FVKA
LOCATION: 1650S 2937E | ELEVATION (FEET): 4410 | LST = GMT + 2
PREPARED BY: USAFETAC/DOC, JUL 1994 | PERIOD: 7301-9212

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15. % FREQ OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 800/2 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	14	19	14	6	3	2	1	0	3	2	3	10	2
03-05 LST	28	28	25	10	4	3	2	#	3	2	5	20	3
06-08 LST	29	40	35	19	8	4	2	1	3	3	5	23	4
09-11 LST	4	8	4	1	#	#	#	#	4	1	1	8	1
12-14 LST	3	4	2	1	#	1	#	1	4	2	2	5	1
15-17 LST	2	3	2	1	#	1	#	1	7	1	1	3	#
18-20 LST	3	2	3	1	1	#	#	1	5	1	2	2	#
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	10	13	11	5	2	1	1	1	4	2	2	9	1

16. % FREQ OF CIG/VIS LT 500/1.5 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	12	16	12	4	2	2	1	0	1	1	2	7	1
03-05 LST	24	26	22	10	3	2	2	#	1	1	3	15	2
06-08 LST	15	24	19	9	6	3	1	#	1	1	2	10	2
09-11 LST	2	4	1	#	#	#	#	0	1	#	#	3	#
12-14 LST	1	2	1	1	#	#	#	1	2	1	1	2	#
15-17 LST	1	1	1	#	0	#	#	#	3	1	1	1	#
18-20 LST	1	1	1	#	1	#	#	#	3	#	1	1	#
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	7	9	7	3	1	1	1	#	2	1	1	5	1

17. % FREQ OF CIG/VIS LT 300/1 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	5	3	1	1	1	1	0	1	0	1	2	#
03-05 LST	8	7	4	4	1	2	2	#	#	#	#	2	#
06-08 LST	3	4	2	1	1	1	1	0	1	1	#	2	#
09-11 LST	1	1	0	#	0	#	#	0	1	#	#	#	#
12-14 LST	#	#	#	#	0	#	#	#	1	#	0	#	#
15-17 LST	#	0	#	#	0	#	#	0	2	#	#	1	#
18-20 LST	#	0	#	#	0	#	#	#	1	#	1	#	#
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	2	2	1	1	#	1	1	#	1	#	#	1	#

18. % FREQ OF CIG/VIS LT 100/.25 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	1	2	2	1	1	#	1	0	0	0	#	1	#
03-05 LST	3	3	2	1	#	1	1	#	0	#	#	1	#
06-08 LST	#	1	#	#	#	1	1	0	0	#	#	0	0
09-11 LST	0	0	0	0	0	0	0	0	0	#	#	0	0
12-14 LST	#	#	0	#	0	0	#	#	0	0	0	0	0
15-17 LST	#	0	0	0	0	0	#	0	0	#	#	0	0
18-20 LST	#	0	#	#	0	0	#	0	0	#	#	0	0
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	1	1	1	#	#	#	#	#	0	#	#	#	#

SOURCE(S): 1. USAFETAC DATSAV2 SURFACE, JAN 73 - DEC 92, 3 HOURLY OBSERVATIONS.

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: KIGALI, RWANDA — STATION #: 643870 — ICAO: HRYR
LOCATION: 158S 3007E — ELEVATION (FEET): 4912 — LST = GMT + 2
PREPARED BY: USAFETAC/DOC, FEB 1993 — PERIOD: 7301-9012

SOURCE NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1. TEMPERATURE (F)													
EXTREME MAX 1	88	86	86	85	84	84	86	89	87	90	86	87	90
MEAN DAILY MAX 1	72	72	70	71	72	72	74	74	75	74	73	73	73
MEAN 1	70	70	69	69	70	70	71	72	71	70	68	69	70
MEAN DAILY MIN 1	66	66	67	66	66	66	66	68	66	65	65	65	66
EXTREME MIN 1	53	55	57	57	56	53	54	55	54	55	56	53	53
# DAYS GE 90 1	0	0	0	0	0	0	0	0	0	0	0	0	0
# DAYS LE 32 1	0	0	0	0	0	0	0	0	0	0	0	0	0
# DAYS LE 0 1	0	0	0	0	0	0	0	0	0	0	0	0	0
2. PRECIPITATION (INCHES)													
MAXIMUM	*	*	*	*	*	*	*	*	*	*	*	*	*
MEAN 2	3.5	3.6	4.1	6.5	5.0	1.0	.3	.9	2.4	4.0	4.0	3.5	38.8
MINIMUM	*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR	*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS W/PRECIP	*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 0.5	*	*	*	*	*	*	*	*	*	*	*	*	*
3. SNOWFALL (INCHES)													
MEAN	*	*	*	*	*	*	*	*	*	*	*	*	*
MAXIMUM	*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR	*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS W/SNOW	*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*
4. MEAN RELATIVE HUMIDITY (%) / VAPOR PRESSURE (IN HG) / DEWPOINT (F)													
RH (6 LST) 1	92	94	95	96	93	84	86	76	87	90	94	93	89
RH (14 LST) 1	58	55	62	63	58	47	41	40	50	56	65	59	55
VAPOR PRESS 1	.53	.54	.55	.57	.55	.47	.43	.45	.50	.53	.55	.54	.52
DEWPOINT 1	60	60	61	62	61	57	54	55	58	60	61	60	59
5. SURFACE WINDS 16 PT/KTS / 99.95% HIGHEST PRESSURE ALTITUDE (FEET)													
PVLG DRCTN 1	$E	$E	$E	$SSE	$S	$S	$S	$S	$E	$E	$E	$E	$E
MEAN SPEED (PVLG DRCTN) 1	6	5	5	5	5	5	6	6	6	6	6	5	6
MEAN SPEED (ALL OBS) 1	3	3	3	3	3	3	4	4	4	3	3	3	3
MAX PEAK GUST 1	0	0	0	0	0	0	0	0	0	0	0	0	0
PRESSURE ALT 1	4950	6698	4978	4923	4978	4997	5699	5052	4923	4997	6591	5025	6698
6. MEAN CLOUD COVER (8THS) / THUNDERSTORMS / FOG / BLOWING SAND & DUST (BNBD)													
CLD COVER 1	5	5	6	6	5	4	4	4	5	5	5	5	5
DAYS TSTMS 1	2	3	4	4	2	#	#	2	4	5	5	3	34
DAYS FOG LT 7 1	3	3	3	3	2	1	#	#	1	1	3	3	22
DAYS BNBD LT 7 1	0	0	0	0	0	#	#	0	0	0	0	0	0

REMARKS: * = DATA NOT AVAILABLE # = LT 0.5 DAY, OR 0.05 INCH, OR 0.5%, AS APPLICABLE $ = % CALM GT PVLGN DRCTN
¢ = BASED ONLY ON AVAILABLE DATA, I.E. LT 24 HRS/DAY, OR LT 12 MONTH/YR
ANNUAL TOTALS MAY NOT EQUAL THE SUM OF MONTHLY TOTALS DUE TO ROUNDING

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: KIGALI, RWANDA | STATION #: 643870 | ICAO: HRYR
LOCATION: 158S 3007E | ELEVATION (FEET): 4912 | LST = GMT + 2
PREPARED BY: USAFETAC/DOC, FEB 1993 | PERIOD: 7301-9012

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7. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 3000/3 STATUTE MILES (MI) (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	8	12	9	15	5	2	2	3	1	4	12	5	6
03-05 LST	11	24	17	29	7	1	3	0	6	7	21	13	12
06-08 LST	18	21	25	38	26	7	4	7	8	15	22	25	18
09-11 LST	13	16	23	37	47	16	5	10	19	24	32	17	22
12-14 LST	24	25	31	39	35	19	7	10	28	40	36	26	27
15-17 LST	10	22	10	20	17	3	3	10	18	15	16	5	12
18-20 LST	9	5	9	8	6	2	2	5	10	5	9	3	6
21-23 LST	9	3	5	7	7	0	1	1	6	4	4	7	4
ALL HOURS	13	16	16	24	19	6	3	6	12	14	19	13	13

8. % FREQ OF CIG/VIS LT 1500/3 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	12	6	8	3	1	1	1	1	2	9	4	4
03-05 LST	11	19	14	23	3	0	0	0	2	5	18	13	9
06-08 LST	14	14	20	21	15	3	2	2	3	7	18	20	12
09-11 LST	4	3	3	5	3	1	1	1	2	2	3	2	2
12-14 LST	1	2	3	2	2	1	2	#	1	1	1	1	2
15-17 LST	1	2	1	2	#	1	#	1	1	#	1	1	1
18-20 LST	1	1	2	1	0	1	1	1	2	0	3	1	1
21-23 LST	4	2	2	1	2	0	0	0	1	1	3	4	2
ALL HOURS	5	7	6	8	4	1	1	1	2	2	7	6	4

9. % FREQ OF CIG/VIS LT 1000/2 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	10	6	8	3	1	1	0	1	2	9	4	4
03-05 LST	8	18	14	23	3	0	0	0	1	4	17	12	8
06-08 LST	12	13	18	17	14	3	1	2	3	7	15	20	10
09-11 LST	3	1	3	3	3	1	1	#	1	2	2	1	2
12-14 LST	1	1	3	2	2	1	1	#	1	1	1	1	1
15-17 LST	0	2	0	2	#	1	#	#	1	#	1	1	1
18-20 LST	1	0	2	1	0	1	0	1	1	0	3	1	1
21-23 LST	4	2	1	1	2	0	0	0	1	1	3	4	2
ALL HOURS	4	6	6	7	3	1	1	#	1	2	6	5	4

10. % FREQ OF CIG/VIS LT 200/0.5 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	8	5	3	2	0	0	0		1	8	3	3
03-05 LST	7	14	13	19	1	0	0	0		3	14	9	7
06-08 LST	6	6	9	7	7	2	1	1	2	3	6	10	5
09-11 LST	1	1	#	1	2	#	#	0	1	1	#	0	1
12-14 LST	#	0	#	0	#	#	1	0	1	#	#	#	#
15-17 LST	0	1	0	1	#	1	0	#	#	0	#	#	#
18-20 LST	0	0	1	1	0	1	0	1	0	0	1	0	#
21-23 LST	0	1	1	1	1	0	0	0	0	1	2	3	1
ALL HOURS	2	4	4	4	2	1	#	#	#	1	4	3	2

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: KIGALI, RWANDA **STATION #: 643870** **ICAO: HRYR**
LOCATION: 158S 3007E **ELEVATION (FEET): 4912** **LST = GMT + 2**
PREPARED BY: USAFETAC/DOC, FEB 1993 **PERIOD: 7301-9012**

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11. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF THUNDERSTORMS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	5	0	0	6	2	0	0	2	1	2	2	2	2
03-05 LST	0	3	2	2	0	0	0	0	1	1	1	0	1
06-08 LST	1	1	1	1	1	0	#	1	1	2	0	1	1
09-11 LST	2	0	1	2	0	0	0	0	#	#	2	1	1
12-14 LST	8	10	14	8	3	0	#	2	10	15	21	12	9
15-17 LST	8	17	11	14	8	1	#	6	14	19	17	7	10
18-20 LST	6	7	6	7	3	1	1	5	4	7	4	2	4
21-23 LST	1	5	2	8	6	0	1	5	1	4	0	1	3
ALL HOURS	4	5	5	6	3	#	#	3	4	6	6	3	4

12. % FREQ RAIN AND/OR DRIZZLE:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	5	3	0	7	1	2	2	2	0	2	2	0	2
03-05 LST	0	6	4	9	2	1	0	2	2	2	3	1	3
06-08 LST	2	4	5	11	8	#	1	1	2	4	4	5	4
09-11 LST	4	4	7	13	5	0	#	#	1	3	4	7	4
12-14 LST	6	9	9	12	5	1	#	1	6	11	14	16	7
15-17 LST	6	11	10	12	8	2	1	6	7	10	12	4	7
18-20 LST	4	7	7	7	3	1	0	4	4	6	5	2	4
21-23 LST	0	3	4	8	3	0	1	6	2	1	4	1	3
ALL HOURS	3	6	6	10	4	1	1	3	3	5	6	4	4

13. % FREQ SNOW AND/OR ICE PELLETS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
03-05 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
06-08 LST	0	0	0	0	#	0	0	0	0	0	0	0	#
09-11 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
12-14 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
15-17 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
18-20 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
21-23 LST	0	0	0	0	1	0	0	0	0	0	0	0	#
ALL HOURS	0	0	0	0	#	0	0	0	0	0	0	0	#

14. % FREQ OF SURFACE WIND SPEEDS GT 25 KTS. (INCLUDING GUSTS):

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	1	1	0	0	0	0	0	0	#
03-05 LST	0	0	0	0	0	0	0	0	0	0	1	0	#
06-08 LST	0	0	0	0	0	0	0	1	0	0	0	0	#
09-11 LST	#	0	0	#	0	0	0	#	#	0	0	#	#
12-14 LST	0	1	0	1	0	#	#	#	0	0	#	#	#
15-17 LST	0	1	1	0	0	0	0	0	0	0	0	#	#
18-20 LST	0	0	0	1	0	0	0	0	0	0	0	0	#
21-23 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL HOURS	#	#	#	#	#	#	#	#	#	0	#	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: KIGALI, RWANDA | STATION #: 643870 | ICAO: HRYR
LOCATION: 158S 3007E | ELEVATION (FEET): 4912 | LST = GMT + 2
PREPARED BY: USAFETAC/DOC, FEB 1993 | PERIOD: 7301-9012

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15. % FREQ OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 800/2 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	10	6	8	3	1	1	0	0	2	9	4	4
03-05 LST	8	18	14	23	3	0	0	0	1	4	17	12	8
06-08 LST	12	13	18	17	14	3	1	2	3	7	15	20	10
09-11 LST	3	1	3	3	3	1	1	#	1	2	2	1	2
12-14 LST	1	1	3	2	2	1	1	#	1	1	1	1	1
15-17 LST	0	2	0	2	#	1	#	#	1	0	1	1	1
18-20 LST	1	0	2	1	0	1	0	1	1	0	2	1	1
21-23 LST	4	2	1	1	2	0	0	0	1	1	3	4	2
ALL HOURS	4	6	6	7	3	1	1	#	1	2	6	5	4

16. % FREQ OF CIG/VIS LT 500/1.5 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	9	5	7	3	1	1	0	0	2	9	4	4
03-05 LST	7	15	14	23	3	0	0	0	1	3	16	11	8
06-08 LST	9	10	14	15	11	3	1	2	2	6	14	17	9
09-11 LST	2	1	2	2	2	1	1	#	1	1	2	#	1
12-14 LST	1	#	2	1	1	1	1	#	1	1	1	1	1
15-17 LST	0	2	0	2	#	1	#	#	1	0	1	#	1
18-20 LST	0	0	1	1	0	1	0	1	1	0	2	0	#
21-23 LST	2	1	1	1	2	0	0	0	1	1	2	4	1
ALL HOURS	3	5	5	6	3	1	1	#	1	2	6	5	3

17. % FREQ OF CIG/VIS LT 300/1 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	9	5	4	3	0	1	0	0	2	8	4	3
03-05 LST	7	14	14	21	1	0	0	0	1	3	16	10	7
06-08 LST	7	8	12	11	8	2	1	1	2	4	7	13	6
09-11 LST	1	1	1	1	2	1	#	0	1	1	1	#	1
12-14 LST	1	0	1	#	#	1	1	0	1	1	1	1	1
15-17 LST	0	1	0	1	#	1	#	#	1	0	1	#	#
18-20 LST	0	0	1	1	0	1	0	1	0	0	1	0	#
21-23 LST	2	1	1	1	2	0	0	0	0	1	2	3	1
ALL HOURS	3	4	4	5	2	1	#	#	1	1	5	4	3

18. % FREQ OF CIG/VIS LT 100/.25 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	4	2	3	2	0	0	0	0	1	5	2	2
03-05 LST	4	10	4	11	0	0	0	0	0	2	9	6	4
06-08 LST	2	3	4	4	4	1	1	1	1	1	4	6	3
09-11 LST	#	1	#	0	1	#	0	0	1	0	#	0	#
12-14 LST	#	0	#	0	#	#	1	0	1	0	0	#	#
15-17 LST	0	1	0	1	#	1	0	0	#	0	#	#	#
18-20 LST	0	0	0	1	0	1	0	0	0	0	0	0	#
21-23 LST	0	0	0	0	0	0	0	0	0	1	1	1	#
ALL HOURS	1	2	1	3	1	#	#	#	#	1	3	2	1

SOURCE(S): 1. USAFETAC DATSAV2 SURFACE, JAN 73 - DEC 90, 3 HOURLY OBSERVATIONS.
2. WORLD CLIMATIC DATA(WERNSTEDT), 1972, 30 YEARS OF RECORD.

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: MOMBASA, KENYA/MOI INT'L **STATION #: 638200** **ICAO: HKMO**
LOCATION: 402S 3937E **ELEVATION (FEET): 180** **LST = GMT + 3**
PREPARED BY: USAFETAC/DOC, DEC 1992 **PERIOD: 7301-9012**

SOURCE NO.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1. TEMPERATURE (F)														
EXTREME MAX	1	99	99	99	101	100	90	95	97	95	95	100	101	101
MEAN DAILY MAX	1	87	87	88	86	83	80	80	80	81	83	85	86	84
MEAN	1	81	81	82	81	78	76	75	75	76	78	80	81	79
MEAN DAILY MIN	1	75	75	76	76	74	71	70	70	71	73	75	75	73
EXTREME MIN	1	68	64	66	66	58	58	52	58	55	58	60	62	52
# DAYS GE 90	1	6	9	14	6	1	#	#	#	#	#	1	4	42
# DAYS LE 32	1	0	0	0	0	0	0	0	0	0	0	0	0	0
# DAYS LE 0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2. PRECIPITATION (INCHES)														
MAXIMUM		*	*	*	*	*	*	*	*	*	*	*	*	*
MEAN	2	1.0	.6	2.4	7.8	13.0	4.3	3.5	2.7	2.3	3.5	3.7	2.4	47.5
MINIMUM		*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR		*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS W/PRECIP	2	6	3	7	15	20	15	14	16	14	10	10	9	139
# DAYS GE 0.5		*	*	*	*	*	*	*	*	*	*	*	*	*
3. SNOWFALL (INCHES)														
MEAN		*	*	*	*	*	*	*	*	*	*	*	*	*
MAXIMUM		*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR		*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS W/SNOW	1	0	0	0	0	0	0	0	0	0	0	0	0	0
# DAYS GE 1.5		*	*	*	*	*	*	*	*	*	*	*	*	*
4. MEAN RELATIVE HUMIDITY (%) / VAPOR PRESSURE (IN HG) / DEWPOINT (F)														
RH (6 LST)	1	93	90	91	93	94	93	93	94	93	94	93	94	93
RH (14 LST)	1	58	56	56	67	69	66	66	66	64	66	64	63	63
VAPOR PRESS	1	.83	.82	.86	.87	.82	.75	.72	.72	.74	.79	.84	.85	.80
DEWPOINT	1	73	72	74	74	72	70	69	69	69	71	73	74	72
5. SURFACE WINDS 16 PT/KTS / 99.95% HIGHEST PRESSURE ALTITUDE (FEET)														
PVLG DRCTN	1	$ENE	$E	$E	SE	SE	SE	SE	SE	SE	SE	$SSE	$E	SE
MEAN SPEED (PVLG DRCTN)	1	10	11	9	9	9	10	9	9	8	7	8	9	9
MEAN SPEED (ALL OBS)	1	7	7	6	7	8	8	8	8	7	6	5	6	7
MAX PEAK GUST	1	*	*	*	*	*	*	*	*	*	*	*	*	*
PRESSURE ALT	1	****	****	****	****	****	****	****	****	****	****	****	****	****
6. MEAN CLOUD COVER (8THS) / THUNDERSTORMS / FOG / BLOWING SAND & DUST (BNBD)														
CLD COVER	1	4	4	4	4	5	4	4	4	4	4	4	4	4
DAYS TSTMS	1	1	#	2	3	1	#	#	0	#	#	1	2	11
DAYS FOG LT 7	1	#	0	#	#	#	0	0	#	0	0	#	#	1
DAYS BNBD LT 7	1	0	#	0	#	#	0	0	#	#	#	#	#	1

REMARKS: * = DATA NOT AVAILABLE # = LT 0.5 DAY, OR 0.05 INCH, OR 0.5%, AS APPLICABLE $ = % CALM GT PVLGN DRCTN
¢ = BASED ONLY ON AVAILABLE DATA, I.E. LT 24 HRS/DAY, OR LT 12 MONTH/YR
ANNUAL TOTALS MAY NOT EQUAL THE SUM OF MONTHLY TOTALS DUE TO ROUNDING

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: MOMBASA, KENYA/MOI INT'L **STATION #:** 638200 **ICAO:** HKMO
LOCATION: 402S 3937E **ELEVATION (FEET):** 180 **LST = GMT + 3**
PREPARED BY: USAFETAC/DOC, DEC 1992 **PERIOD:** 7301-9012

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7. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 3000/3 STATUTE MILES (MI) (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	12	15	12	16	14	12	12	12	19	23	20	11	15
03-05 LST	23	27	19	17	19	16	15	20	26	27	23	20	21
06-08 LST	24	24	22	18	22	20	18	20	29	34	25	20	23
09-11 LST	44	47	38	31	34	27	31	30	54	61	53	45	41
12-14 LST	47	33	20	31	37	37	40	36	26	21	22	44	33
15-17 LST	9	7	4	13	22	19	23	21	17	13	11	15	14
18-20 LST	5	5	9	11	12	13	13	11	12	13	12	8	10
21-23 LST	6	8	12	12	10	8	9	9	10	16	14	6	10
ALL HOURS	21	21	17	18	21	19	20	20	24	26	22	21	21

8. % FREQ OF CIG/VIS LT 1500/3 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	2	2	4	2	5	2	4	3	3	7	5	.2	3
03-05 LST	7	6	7	6	8	5	5	7	8	11	8	7	7
06-08 LST	7	5	7	6	11	6	6	7	8	12	8	7	7
09-11 LST	5	3	4	6	11	5	5	8	10	10	8	5	7
12-14 LST	1	1	1	5	6	5	3	3	3	1	3	2	3
15-17 LST	1	1	1	2	7	4	3	2	1	3	1	2	2
18-20 LST	1	1	1	2	4	2	1	1	1	2	1	1	1
21-23 LST	1	1	3	4	4	2	3	2	2	4	3	1	3
ALL HOURS	3	3	3	4	7	4	4	4	5	6	5	4	4

9. % FREQ OF CIG/VIS LT 1000/2 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	#	#	#	1	#	#	0	#	#	#	#
03-05 LST	1	#	#	#	1	1	0	1	1	1	#	#	1
06-08 LST	1	#	1	1	2	1	1	1	1	#	1	1	1
09-11 LST	1	#	#	2	4	2	1	1	1	1	1	1	1
12-14 LST	1	1	1	1	3	1	1	1	1	1	1	1	1
15-17 LST	1	#	#	1	1	1	1	1	1	1	#	1	1
18-20 LST	1	1	#	1	1	1	1	#	1	#	#	1	1
21-23 LST	0	0	1	#	1	0	#	#	1	1	#	0	#
ALL HOURS	1	#	#	1	2	1	1	1	1	1	1	1	1

10. % FREQ OF CIG/VIS LT 200/0.5 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	#	0	0	#	0	0	0	0	#	#
03-05 LST	#	#	0	0	#	0	#	#	1	0	#	#	#
06-08 LST	#	0	0	#	#	#	0	#	#	0	0	0	#
09-11 LST	1	0	0	#	#	#	0	#	#	0	0	#	#
12-14 LST	#	#	#	0	1	0	0	0	0	0	#	0	#
15-17 LST	#	#	0	1	0	#	#	#	0	0	#	#	#
18-20 LST	0	0	#	0	#	#	#	0	0	#	0	0	#
21-23 LST	0	0	#	#	#	0	0	0	#	#	0	0	#
ALL HOURS	#	#	#	#	#	#	#	#	#	#	#	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: MOMBASA, KENYA/MOI INT'L STATION #: 638200 ICAO: HKMO
LOCATION: 402S 3937E ELEVATION (FEET): 180 LST = GMT + 3
PREPARED BY: USAFETAC/DOC, DEC 1992 PERIOD: 7301-9012

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11. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF THUNDERSTORMS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	#	1	1	3	1	0	0	0	0	0	#	#	1
03-05 LST	#	#	2	4	1	#	0	0	#	0	#	#	1
06-08 LST	1	0	2	3	1	0	0	0	#	#	1	1	1
09-11 LST	#	0	1	1	1	0	#	0	0	#	#	1	#
12-14 LST	1	0	1	2	#	0	0	0	#	#	1	2	1
15-17 LST	1	#	1	1	#	0	0	0	0	0	1	2	1
18-20 LST	1	1	1	1	0	#	#	0	0	0	#	#	#
21-23 LST	#	1	#	1	#	0	0	0	#	0	#	#	#
ALL HOURS	1	#	1	2	1	#	#	0	#	#	1	1	0

12. % FREQ RAIN AND/OR DRIZZLE:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	1	1	3	9	7	3	3	4	3	4	4	1	4
03-05 LST	1	1	3	9	11	5	3	6	5	5	5	2	5
06-08 LST	1	1	2	7	15	6	8	6	6	8	4	3	6
09-11 LST	2	1	3	9	16	9	6	6	5	6	5	5	6
12-14 LST	3	1	2	10	12	7	8	5	3	4	3	8	5
15-17 LST	2	#	1	6	10	7	5	2	3	3	3	4	4
18-20 LST	1	1	1	2	6	5	6	3	2	2	1	#	2
21-23 LST	1	#	1	4	5	4	4	3	2	1	1	1	2
ALL HOURS	1	1	2	7	10	6	5	4	4	4	3	3	4

13. % FREQ SNOW AND/OR ICE PELLETS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	#	0	0	0	0	0	#	0	0	#	0	0	#
03-05 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
06-08 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
09-11 LST	0	0	0	#	0	0	0	0	0	0	0	0	#
12-14 LST	#	0	0	0	0	0	0	0	0	0	0	0	#
15-17 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
18-20 LST	0	0	0	0	0	0	0	0	0	#	0	0	#
21-23 LST	0	0	0	0	0	0	0	0	0	0	0	#	#
ALL HOURS	#	0	0	#	0	0	#	0	0	#	0	#	#

14. % FREQ OF SURFACE WIND SPEEDS GT 25 KTS. (INCLUDING GUSTS):

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	#	#	1	#	0	#	0	0	0	0	#	0	#
03-05 LST	0	0	#	#	1	#	0	#	#	#	#	#	#
06-08 LST	0	#	0	#	#	#	#	0	#	#	#	0	#
09-11 LST	#	#	#	#	0	#	1	0	#	#	#	#	#
12-14 LST	#	#	#	#	#	2	#	#	0	#	#	#	#
15-17 LST	0	0	#	1	#	1	#	#	1	0	0	#	#
18-20 LST	#	#	0	#	#	#	#	#	0	#	#	0	#
21-23 LST	#	1	#	#	#	#	#	#	0	#	0	1	#
ALL HOURS	#	#	#	#	#	1	#	#	#	#	#	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: MOMBASA, KENYA/MOI INT'L **STATION #:** 638200 **ICAO:** HKMO
LOCATION: 402S 3937E **ELEVATION (FEET):** 180 **LST = GMT + 3**
PREPARED BY: USAFETAC/DOC, DEC 1992 **PERIOD:** 7301-9012

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15. % FREQ OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 800/2 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	#	#	#	1	#	#	0	#	#	#	#
03-05 LST	1	#	#	#	1	1	0	1	1	1	#	#	1
06-08 LST	1	#	1	1	2	1	1	1	1	#	1	1	1
09-11 LST	1	#	#	2	4	2	1	1	1	1	1	1	1
12-14 LST	1	1	1	1	3	1	1	1	1	1	1	1	1
15-17 LST	1	#	#	1	1	1	1	1	1	1	#	1	1
18-20 LST	1	1	#	1	1	1	1	#	1	#	#	1	1
21-23 LST	0	0	1	#	1	0	#	#	1	1	#	0	#
ALL HOURS	1	#	#	1	2	1	1	1	1	1	1	1	1

16. % FREQ OF CIG/VIS LT 500/1.5 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	#	0	1	#	#	0	#	#	#	#
03-05 LST	#	#	0	#	#	1	#	1	1	#	#	#	#
06-08 LST	#	#	1	1	1	#	0	1	1	0	1	#	#
09-11 LST	1	#	0	#	1	1	#	1	1	#	#	1	#
12-14 LST	1	#	#	#	1	#	#	1	1	#	1	1	1
15-17 LST	1	#	0	1	#	1	1	#	1	1	#	1	#
18-20 LST	1	#	#	1	1	#	1	#	#	#	#	1	#
21-23 LST	0	0	1	#	1	0	#	#	#	1	#	0	#
ALL HOURS	#	#	#	#	1	0	#	#	#	#	#	#	#

17. % FREQ OF CIG/VIS LT 300/1 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	#	0	0	#	0	0	#	#	#	#
03-05 LST	#	#	0	0	#	1	#	#	1	#	#	#	#
06-08 LST	#	0	#	#	#	#	0	#	#	0	#	0	#
09-11 LST	1	#	0	#	1	#	#	#	#	#	0	#	#
12-14 LST	#	#	#	#	1	#	#	#	0	#	1	#	#
15-17 LST	1	#	0	1	#	#	1	#	0	#	#	#	#
18-20 LST	#	0	#	#	1	#	#	0	0	#	0	#	#
21-23 LST	0	0	1	#	#	0	#	#	#	#	#	0	#
ALL HOURS	#	#	#	#	#	#	#	#	#	#	#	#	#

18. % FREQ OF CIG/VIS LT 100/.25 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	#	0	0	0	0	#	#
03-05 LST	#	#	0	0	0	0	#	0	1	0	0	#	#
06-08 LST	#	0	0	#	#	#	0	#	0	0	0	0	#
09-11 LST	#	0	0	0	0	#	0	0	#	0	0	#	#
12-14 LST	#	#	#	0	#	0	0	0	0	0	#	0	#
15-17 LST	#	#	0	#	0	#	#	#	0	0	#	#	#
18-20 LST	0	0	0	0	#	#	#	0	0	#	0	0	#
21-23 LST	0	0	#	#	#	0	0	0	#	0	0	0	#
ALL HOURS	#	#	#	#	#	#	#	#	#	#	#	#	#

SOURCE(S): 1. USAFETAC DATSAV SURFACE, JAN 73 - DEC 90, 3 HOURLY OBSERVATIONS.
2. NATIONAL INTELLIGENCE SURVEY, SEP 68, 54-64 YEARS OF RECORD.

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: MUSOMA, TANZANIA STATION #: 637330 ICAO: HTMU
LOCATION: 130S 3348E ELEVATION (FEET): 3763 LST = GMT + 3
PREPARED BY: USAFETAC/DOC, JUL 1994 PERIOD: 7301-9212

SOURCE NO.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1. TEMPERATURE (F)														
EXTREME MAX	1	90	93	94	91	90	89	89	88	92	91	89	91	94
MEAN DAILY MAX	1	79	79	80	79	80	79	79	79	80	81	79	80	79
MEAN	1	75	75	76	75	75	74	74	75	76	77	76	76	75
MEAN DAILY MIN	1	71	72	72	71	71	69	69	70	71	71	72	72	71
EXTREME MIN	1	60	62	62	61	60	58	57	57	59	61	62	59	57
# DAYS GE 90	1	#	1	1	#	#	0	0	0	#	#	0	1	4
# DAYS LE 32	1	0	0	0	0	0	0	0	0	0	0	0	0	0
# DAYS LE 0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2. PRECIPITATION (INCHES)														
MAXIMUM	2	6.7	9.5	12.5	10.5	9.6	2.4	1.5	2.0	4.3	4.0	5.6	5.2	6.6
MEAN	2	2.1	2.7	4.5	6.3	4.1	0.8	0.4	0.9	1.0	1.4	2.9	2.5	9.6
MINIMUM	2	0.3	0.2	0.1	3.3	1.0	0.2	0.0	0.0	#	0.1	1.0	0.3	8.4
MAX 24 HR		*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE .004	2	9	8	13	17	15	6	3	5	4	6	14	10	110
# DAYS GE .5		*	*	*	*	*	*	*	*	*	*	*	*	*
3. SNOWFALL (INCHES)														
MEAN		*	*	*	*	*	*	*	*	*	*	*	*	*
MAXIMUM		*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR		*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 0.1		*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 1.5		*	*	*	*	*	*	*	*	*	*	*	*	*
4. MEAN RELATIVE HUMIDITY (%) / VAPOR PRESSURE (IN HG) / DEWPOINT (F)														
RH (6 LST)	1	83	82	80	88	85	80	78	77	76	79	84	84	81
RH (12 LST)	1	57	58	56	63	61	56	53	51	49	51	55	56	55
VAPOR PRESS	1	.60	.60	.61	.64	.62	.57	.54	.56	.57	.60	.61	.61	.59
DEWPOINT	1	63	63	64	65	64	62	60	61	62	63	64	64	1
5. SURFACE WINDS 16 PT/KTS / 99.95% HIGHEST PRESSURE ALTITUDE (FEET)														
PVLG DRCTN	1	$W	$W	$W	$E	$E	$E	$E	$E	E	$E	$E	$E	$E
MEAN SPEED (PVLG DRCTN)	1	9	8	9	6	7	6	6	7	8	7	6	7	7
MEAN SPEED (ALL OBS)	1	6	6	6	5	5	5	6	6	7	7	6	6	6
MAX PEAK GUST	1	*	*	*	*	*	*	*	*	*	*	*	*	*
PRESSURE ALT	1	****	****	****	****	****	****	****	****	****	****	****	****	****
6. MEAN CLOUD COVER (8THS) / THUNDERSTORMS / FOG / BLOWING SAND & DUST (BNBD)														
CLD COVER	1	4	4	5	5	4	3	3	3	4	4	5	4	4
DAYS TSTMS	1	2	2	3	4	3	1	1	1	2	3	4	2	29
DAYS FOG LT 7	1	#	0	#	#	0	#	#	#	0	0	0	#	1
DAYS BNBD LT 7	1	#	0	0	#	0	#	0	0	#	0	#	0	0

REMARKS: * = DATA NOT AVAILABLE # = LT 0.5 DAY, OR 0.05 INCH, OR 0.5%, AS APPLICABLE $ = % CALM GT PVLGN DRCTN
¢ = BASED ONLY ON AVAILABLE DATA, I.E. LT 24 HRS/DAY, OR LT 12 MONTH/YR
ANNUAL TOTALS MAY NOT EQUAL THE SUM OF MONTHLY TOTALS DUE TO ROUNDING

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: MUSOMA, TANZANIA | STATION #: 637330 | ICAO: HTMU
LOCATION: 130S 3348E | ELEVATION (FEET): 3763 | LST = GMT +3
PREPARED BY: USAFETAC/DOC, JUL 1994 | PERIOD: 7301-9212

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7. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 3000/3 STATUTE MILES (MI) (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	5	2	3	15	8	3	0	5	0	6	3	8	1
03-05 LST	5	7	5	8	4	1	3	2	0	5	8	2	#
06-08 LST	8	8	8	11	3	2	3	3	5	3	5	5	1
09-11 LST	6	6	6	8	2	2	2	2	2	4	2	1	#
12-14 LST	5	8	9	10	2	1	1	3	2	7	8	5	1
15-17 LST	7	5	10	14	9	4	3	2	4	6	8	5	1
18-20 LST	1	5	6	5	2	2	2	1	3	4	5	4	1
21-23 LST	0	5	5	12	8	4	1	4	4	7	7	6	1
ALL HOURS	5	6	7	10	5	2	2	3	3	5	6	4	1

8. % FREQ OF CIG/VIS LT 1500/3 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	0	0	7	2	1	0	0	0	4	3	0	0
03-05 LST	0	4	3	3	4	1	0	0	0	3	3	2	#
06-08 LST	1	2	5	4	1	1	2	2	2	1	2	1	#
09-11 LST	2	2	3	2	#	1	1	1	1	1	1	#	#
12-14 LST	2	1	4	2	1	#	#	1	1	1	3	#	#
15-17 LST	2	1	1	2	2	1	1	1	0	1	1	1	#
18-20 LST	#	1	2	1	0	1	1	#	1	1	1	2	#
21-23 LST	0	0	5	3	1	2	1	1	0	2	3	0	0
ALL HOURS	1	1	3	3	1	1	1	1	1	2	2	1	#

9. % FREQ OF CIG/VIS LT 1000/2 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	0	0	5	0	1	0	0	0	0	0	0	0
03-05 LST	0	1	0	0	1	0	0	0	0	2	3	0	0
06-08 LST	#	0	1	1	0	#	1	1	1	0	#	0	0
09-11 LST	1	1	1	1	0	#	1	1	1	1	1	0	0
12-14 LST	2	0	1	1	0	#	#	0	1	1	2	0	0
15-17 LST	2	1	1	1	1	1	1	#	#	1	#	0	0
18-20 LST	#	1	2	1	0	#	1	#	1	1	1	1	#
21-23 LST	0	0	3	0	0	1	1	1	0	0	3	0	0
ALL HOURS	1	1	1	1	#	1	1	#	#	1	1	#	#

10. % FREQ OF CIG/VIS LT 200/0.5 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	1	0	0	0	0	0	0	0
03-05 LST	0	0	0	0	0	0	0	0	0	0	2	0	0
06-08 LST	0	0	0	0	0	#	0	1	0	0	0	0	0
09-11 LST	0	#	0	0	0	0	#	0	1	#	1	0	0
12-14 LST	0	0	1	0	0	0	0	0	#	1	#	0	0
15-17 LST	0	#	#	#	1	1	#	0	0	#	#	0	0
18-20 LST	0	0	1	1	0	0	#	#	0	#	1	1	#
21-23 LST	0	0	0	0	0	1	0	0	0	0	3	0	0
ALL HOURS	0	#	#	#	#	#	#	#	#	#	1	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: MUSOMA, TANZANIA | **STATION #: 637330** | **ICAO: HTMU**
LOCATION: 130S 3348E | **ELEVATION (FEET): 3763** | **LST = GMT +3**
PREPARED BY: USAFETAC/DOC, JUL 1994 | **PERIOD: 7301-9212**

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11. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF THUNDERSTORMS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	5	3	5	5	1	2	0	3	4	3	5	1
03-05 LST	6	5	13	9	6	3	1	1	0	5	9	3	1
06-08 LST	11	2	5	3	3	4	2	1	4	4	4	3	1
09-11 LST	1	1	1	2	1	1	1	1	2	1	2	1	#
12-14 LST	1	3	1	1	1	0	#	2	2	2	4	3	#
15-17 LST	3	4	7	9	6	2	2	1	3	6	9	4	1
18-20 LST	1	3	6	11	9	2	2	2	3	8	11	2	#
21-23 LST	1	3	4	12	11	2	3	3	7	7	4	1	#
ALL HOURS	4	3	5	7	5	2	2	1	3	5	6	3	#

12. % FREQ RAIN AND/OR DRIZZLE:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	8	13	8	3	6	0	3	4	3	5	1
03-05 LST	5	4	11	14	5	3	2	0	2	3	2	7	1
06-08 LST	7	5	11	7	3	3	1	1	1	1	3	4	1
09-11 LST	4	5	6	6	2	2	1	1	2	1	1	2	#
12-14 LST	2	2	5	5	1	1	1	2	2	2	3	4	1
15-17 LST	3	3	4	4	2	#	2	1	0	2	5	2	#
18-20 LST	#	3	5	6	3	2	2	1	1	5	9	3	#
21-23 LST	2	4	5	13	9	3	4	2	2	5	6	3	#
ALL HOURS	3	3	7	8	4	2	2	1	2	3	4	4	1

13. % FREQ SNOW AND/OR ICE PELLETS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
03-05 LST	0	0	1	0	0	0	0	0	0	0	0	0	0
06-08 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
09-11 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
12-14 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
15-17 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
18-20 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
21-23 LST	0	0	0	1	0	0	1	0	0	0	0	0	0
ALL HOURS	0	0	#	#	0	0	#	0	0	0	0	0	0

14. % FREQ OF SURFACE WIND SPEEDS GT 25 KTS. (INCLUDING GUSTS):

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	1	2	0	0	0	0	0	0
03-05 LST	2	0	1	0	0	0	1	2	2	0	0	0	0
06-08 LST	#	0	1	0	0	#	0	1	#	1	#	1	#
09-11 LST	1	1	#	1	1	1	1	1	#	0	1	#	#
12-14 LST	0	0	1	#	1	1	1	0	1	#	#	0	0
15-17 LST	2	1	2	0	#	1	1	1	0	1	#	1	#
18-20 LST	1	1	1	3	1	1	2	2	1	1	1	3	#
21-23 LST	1	2	1	0	0	1	0	0	0	1	0	1	#
ALL HOURS	1	1	1	1	#	1	1	1	1	#	#	1	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: MUSOMA, TANZANIA | STATION #: 637330 | ICAO: HTMU
LOCATION: 130S 3348E | ELEVATION (FEET): 3763 | LST = GMT +3
PREPARED BY: USAFETAC/DOC, JUL 1994 | PERIOD: 7301-9212

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15. % FREQ OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 800/2 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	0	0	5	0	1	0	0	0	0	0	0	0
03-05 LST	0	1	0	0	1	0	0	0	0	2	3	0	0
06-08 LST	#	0	1	1	0	#	1	1	1	0	#	0	0
09-11 LST	1	1	1	1	0	#	1	#	1	1	1	0	0
12-14 LST	2	0	1	1	0	#	#	0	1	1	1	0	0
15-17 LST	2	1	1	1	1	1	1	#	#	1	#	0	0
18-20 LST	#	1	2	1	0	#	1	#	1	1	1	1	#
21-23 LST	0	0	3	0	0	1	1	1	0	0	3	0	0
ALL HOURS	1	1	1	1	#	1	1	#	#	1	1	#	#

16. % FREQ OF CIG/VIS LT 500/1.5 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	0	0	5	0	1	0	0	0	0	0	0	0
03-05 LST	0	1	0	0	1	0	0	0	0	2	3	0	0
06-08 LST	0	0	0	1	0	#	#	1	1	0	#	0	0
09-11 LST	0	#	#	#	0	#	1	#	1	#	1	0	0
12-14 LST	0	0	1	#	0	#	0	0	1	1	1	0	0
15-17 LST	#	1	#	1	1	1	#	#	#	#	#	0	0
18-20 LST	#	1	2	1	0	#	1	#	1	1	1	1	#
21-23 LST	0	0	2	0	0	1	1	0	0	0	3	0	0
ALL HOURS	#	#	1	1	#	1	#	#	#	1	1	#	#

17. % FREQ OF CIG/VIS LT 300/1 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	0	0	2	0	1	0	0	0	0	0	0	0
03-05 LST	0	0	0	0	0	0	0	0	0	0	2	0	0
06-08 LST	0	0	0	0	0	#	0	1	#	0	0	0	0
09-11 LST	0	#	#	0	0	#	#	0	1	#	1	0	0
12-14 LST	0	0	1	#	0	#	0	0	#	1	#	0	0
15-17 LST	0	#	#	#	1	1	#	#	0	#	#	0	0
18-20 LST	0	0	1	1	0	0	#	#	#	#	1	1	#
21-23 LST	0	0	2	0	0	1	0	0	0	0	3	0	0
ALL HOURS	#	#	#	#	#	1	#	#	#	#	1	#	#

18. % FREQ OF CIG/VIS LT 100/.25 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	1	0	0	0	0	0	0	0
03-05 LST	0	0	0	0	0	0	0	0	0	0	2	0	0
06-08 LST	0	0	0	0	0	#	0	1	0	0	0	0	0
09-11 LST	0	#	0	0	0	0	#	0	#	#	0	0	0
12-14 LST	0	0	1	0	0	0	0	0	#	#	#	0	0
15-17 LST	0	#	#	#	1	1	#	0	0	0	#	0	0
18-20 LST	0	0	1	0	0	0	0	#	0	#	1	1	#
21-23 LST	0	0	0	0	0	1	0	0	0	0	3	0	0
ALL HOURS	0	#	#	#	#	#	#	#	#	#	1	#	#

SOURCE(S): 1. USAFETAC DATSAV2 SURFACE, JAN 73 - DEC 92, 3 HOURLY OBSERVATIONS.
2. NATIONAL INTELLIGENCE SURVEY, MAR 56, 10-24 YEARS OF RECORD.
NOTE: LIMITED OBSERVATIONS AVAILABLE. USE CAUTIOUSLY.

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: MWANZA, TANZANIA — STATION #: 637560 — ICAO: HTMW
LOCATION: 228S 3255E — ELEVATION (FEET): 3740 — LST = GMT +3
PREPARED BY: USAFETAC/DOC, JUL 1994 — PERIOD: 7301-9212

SOURCE NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1. TEMPERATURE (F)													
EXTREME MAX 1	90	92	92	91	90	88	88	91	92	90	89	89	92
MEAN DAILY MAX 1	78	78	79	78	79	79	78	79	80	80	79	78	79
MEAN 1	73	74	74	73	73	73	72	73	75	75	74	73	74
MEAN DAILY MIN 1	69	69	70	69	69	67	66	67	70	70	70	69	69
EXTREME MIN 1	55	57	58	59	61	58	54	55	56	60	60	59	54
# DAYS GE 90 1	#	#	1	#	#	0	0	#	#	#	0	#	3
# DAYS LE 32 1	0	0	0	0	0	0	0	0	0	0	0	0	0
# DAYS LE 0 1	0	0	0	0	0	0	0	0	0	0	0	0	0
2. PRECIPITATION (INCHES)													
MAXIMUM	*	*	*	*	*	*	*	*	*	*	*	*	*
MEAN 2	3.9	4.7	6.3	4.9	3.8	0.7	0.6	0.8	2.1	1.7	4.9	5.4	9.8
MINIMUM	*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR 2	2.5	3.7	5.8	7.9	4.0	3.4	2.5	2.0	3.4	3.2	3.6	3.7	7.9
# DAYS GE .004 2	9	11	14	16	9	2	1	2	4	8	12	13	101
# DAYS GE .5	*	*	*	*	*	*	*	*	*	*	*	*	*
3. SNOWFALL (INCHES)													
MEAN	*	*	*	*	*	*	*	*	*	*	*	*	*
MAXIMUM	*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR	*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 0.1	*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*
4. MEAN RELATIVE HUMIDITY (%) / VAPOR PRESSURE (IN HG) / DEWPOINT (F)													
RH (6 LST) 1	89	88	87	90	86	79	75	76	79	85	88	90	84
RH (12 LST) 1	61	62	61	62	57	47	46	43	45	51	58	62	54
VAPOR PRESS 1	.62	.62	.62	.64	.61	.53	.48	.51	.56	.60	.61	.62	.58
DEWPOINT 1	64	64	64	65	64	59	57	58	61	63	64	64	1
5. SURFACE WINDS 16 PT/KTS / 99.95% HIGHEST PRESSURE ALTITUDE (FEET)													
PVLG DRCTN 1	$S	$S	$S	$S	$SSE	$SSE	$SSE	$ESE	$NNW	$NNW	$N	$N	$N
MEAN SPEED (PVLG DRCTN) 1	6	7	7	6	8	8	9	8	9	9	8	8	8
MEAN SPEED (ALL OBS) 1	5	5	5	5	5	5	5	6	6	6	5	5	5
MAX PEAK GUST 1	*	*	*	*	*	*	*	*	*	*	*	*	*
PRESSURE ALT 1	5662	5781	5517	5111	5430	5507	5279	5148	5081	5108	5218	5517	5781
6. MEAN CLOUD COVER (8THS) / THUNDERSTORMS / FOG / BLOWING SAND & DUST (BNBD)													
CLD COVER 1	4	4	4	5	4	3	2	2	3	4	5	4	4
DAYS TSTMS 1	4	3	5	7	3	1	1	2	3	6	7	6	49
DAYS FOG LT 7 1	#	#	#	0	#	#	#	0	0	#	0	#	1
DAYS BNBD LT 7 1	#	#	0	0	#	0	#	0	#	#	0	#	1

REMARKS: * = DATA NOT AVAILABLE # = LT 0.5 DAY, OR 0.05 INCH, OR 0.5%, AS APPLICABLE $ = % CALM GT PVLGN DRCTN
¢ = BASED ONLY ON AVAILABLE DATA, I.E. LT 24 HRS/DAY, OR LT 12 MONTH/YR
ANNUAL TOTALS MAY NOT EQUAL THE SUM OF MONTHLY TOTALS DUE TO ROUNDING

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: MWANZA, TANZANIA | STATION #: 637560 | ICAO: HTMW
LOCATION: 228S 3255E | ELEVATION (FEET): 3740 | LST = GMT +3
PREPARED BY: USAFETAC/DOC, JUL 1994 | PERIOD: 7301-9212

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7. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 3000/3 STATUTE MILES (MI) (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	4	2	3	10	6	1	1	1	3	6	16	6	1
03-05 LST	8	7	10	13	9	3	3	5	6	13	16	12	2
06-08 LST	15	8	16	15	9	5	3	5	10	15	22	13	2
09-11 LST	15	16	15	16	6	2	5	5	10	16	14	18	3
12-14 LST	23	18	22	32	23	4	5	6	8	10	19	28	5
15-17 LST	12	9	9	20	18	5	3	3	4	6	10	12	2
18-20 LST	3	3	6	6	5	1	2	1	3	4	9	5	1
21-23 LST	3	4	5	9	5	3	1	2	4	3	11	7	1
ALL HOURS	10	9	11	15	10	3	3	3	6	9	15	13	2

8. % FREQ OF CIG/VIS LT 1500/3 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	1	1	2	2	1	0	0	1	2	#	1	2	#
03-05 LST	3	3	4	7	2	2	2	2	2	3	7	4	1
06-08 LST	6	4	7	6	4	2	2	2	3	3	8	6	1
09-11 LST	5	5	6	5	2	#	3	1	2	4	3	7	1
12-14 LST	5	4	4	6	3	1	1	1	2	2	3	4	1
15-17 LST	2	3	2	4	2	1	1	#	1	2	1	2	#
18-20 LST	1	2	1	#	1	0	2	0	2	1	2	2	#
21-23 LST	#	2	2	3	1	1	#	0	1	1	3	2	#
ALL HOURS	3	3	4	4	2	1	1	1	2	2	4	4	1

9. % FREQ OF CIG/VIS LT 1000/2 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	1	1	0	1	1	0	0	0	0	0	1	1	#
03-05 LST	#	#	1	2	#	#	1	1	1	#	#	1	#
06-08 LST	#	0	#	#	1	#	2	1	#	1	1	1	#
09-11 LST	2	1	2	1	#	#	1	1	0	1	1	3	0
12-14 LST	3	1	2	1	1	1	#	1	1	1	1	1	#
15-17 LST	1	1	#	2	1	0	1	#	#	1	#	1	#
18-20 LST	1	2	1	0	1	0	2	0	2	1	1	2	#
21-23 LST	#	#	1	#	0	1	#	0	1	#	1	#	#
ALL HOURS	1	1	1	1	1	#	1	#	1	1	1	1	#

10. % FREQ OF CIG/VIS LT 200/0.5 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	0	0	0	0	1	1	#
03-05 LST	0	0	#	#	0	0	#	#	0	#	#	1	#
06-08 LST	#	0	#	#	1	0	1	0	#	#	#	0	0
09-11 LST	1	0	1	#	#	0	0	1	0	#	0	1	#
12-14 LST	0	#	#	0	1	0	0	1	1	#	#	#	#
15-17 LST	1	#	0	1	#	0	#	0	#	#	0	1	#
18-20 LST	#	2	#	0	0	0	1	0	1	#	1	1	#
21-23 LST	0	0	#	0	0	1	#	0	0	0	1	0	0
ALL HOURS	#	#	#	#	#	#	#	#	#	#	#	1	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: MWANZA, TANZANIA | STATION #: 637560 | ICAO: HTMW
LOCATION: 228S 3255E | ELEVATION (FEET): 3740 | LST = GMT +3
PREPARED BY: USAFETAC/DOC, JUL 1994 | PERIOD: 7301-9212

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11. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF THUNDERSTORMS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	1	2	6	12	4	0	0	1	2	#	7	4	1
03-05 LST	3	4	8	8	5	2	2	5	5	9	11	9	2
06-08 LST	7	7	10	10	6	1	2	7	12	18	14	16	3
09-11 LST	7	9	5	5	2	1	2	4	7	12	9	7	1
12-14 LST	4	5	3	3	#	#	1	3	1	4	6	7	1
15-17 LST	6	5	5	7	4	1	1	1	2	3	7	8	1
18-20 LST	0	1	4	5	2	0	1	0	0	2	6	3	#
21-23 LST	1	1	4	8	3	1	1	1	1	?	7	5	1
ALL HOURS	3	4	6	7	3	1	1	3	4	6	8	7	1

12. % FREQ RAIN AND/OR DRIZZLE:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	2	1	3	6	3	1	1	2	2	2	7	3	#
03-05 LST	2	2	7	6	4	#	1	1	1	3	5	6	1
06-08 LST	7	5	11	9	6	#	0	1	2	8	7	11	2
09-11 LST	7	9	9	11	5	1	1	1	3	7	7	6	1
12-14 LST	7	8	8	8	3	1	2	2	2	3	4	10	2
15-17 LST	5	4	4	7	4	1	1	1	2	2	4	6	1
18-20 LST	2	1	3	4	1	1	1	0	1	2	2	3	#
21-23 LST	#	#	2	5	1	1	0	1	2	3	4	3	#
ALL HOURS	4	4	6	7	3	1	1	1	2	4	5	6	1

13. % FREQ SNOW AND/OR ICE PELLETS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
03-05 LST	0	0	0	0	0	0	0	0	0	0	#	0	0
06-08 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
09-11 LST	0	0	0	0	0	0	0	0	0	#	0	0	0
12-14 LST	0	0	0	#	0	#	0	0	0	#	#	0	0
15-17 LST	#	0	#	0	#	0	0	0	0	0	0	0	0
18-20 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
21-23 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL HOURS	#	0	#	#	#	#	0	0	0	#	#	0	0

14. % FREQ OF SURFACE WIND SPEEDS GT 25 KTS. (INCLUDING GUSTS):

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	1	0	0	0	0	0	1	0	0	0
03-05 LST	0	0	0	0	0	0	#	#	#	#	0	#	#
06-08 LST	0	0	1	#	0	0	1	#	#	0	0	#	#
09-11 LST	#	1	1	#	#	1	1	1	0	1	#	1	#
12-14 LST	1	0	0	#	#	#	0	1	1	1	1	1	#
15-17 LST	1	1	#	1	1	1	1	2	#	1	1	1	#
18-20 LST	2	1	0	#	#	1	2	#	1	1	#	#	#
21-23 LST	#	1	#	#	0	1	0	0	1	1	0	0	0
ALL HOURS	0	1	#	#	#	#	1	1	1	1	#	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: MWANZA, TANZANIA — STATION #: 637560 — ICAO: HTMW
LOCATION: 228S 3255E — ELEVATION (FEET): 3740 — LST = GMT +3
PREPARED BY: USAFETAC/DOC, JUL 1994 — PERIOD: 7301-9212

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15. % FREQ OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 800/2 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	1	1	0	1	1	0	0	0	0	0	1	1	#
03-05 LST	#	#	1	2	0	#	1	1	1	#	#	1	#
06-08 LST	#	0	#	#	1	#	2	#	#	1	#	1	#
09-11 LST	2	1	2	1	#	#	1	1	0	1	1	3	0
12-14 LST	3	1	2	1	1	1	#	1	1	1	1	1	#
15-17 LST	1	1	#	2	1	0	1	#	#	1	#	1	#
18-20 LST	1	2	1	0	1	0	2	0	2	1	1	2	#
21-23 LST	#	#	#	0	0	1	#	0	1	#	1	#	#
ALL HOURS	1	1	1	1	1	#	1	#	1	1	1	1	#

16. % FREQ OF CIG/VIS LT 500/1.5 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	1	0	0	0	0	0	0	1	1	#
03-05 LST	0	0	#	1	0	#	#	1	#	#	#	1	#
06-08 LST	#	0	#	#	1	#	2	#	#	1	#	#	#
09-11 LST	2	1	2	1	#	#	1	1	0	1	0	2	#
12-14 LST	1	1	2	1	1	#	0	1	1	1	1	1	#
15-17 LST	1	1	0	1	0	0	1	#	#	1	#	1	#
18-20 LST	1	2	1	0	1	0	1	0	1	1	1	2	#
21-23 LST	#	#	#	0	0	1	#	0	1	#	1	0	0
ALL HOURS	1	1	1	1	#	#	1	#	#	1	1	1	#

17. % FREQ OF CIG/VIS LT 300/1 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	0	0	0	0	1	1	#
03-05 LST	0	0	#	1	0	0	#	#	0	#	#	1	#
06-08 LST	#	0	#	#	1	#	1	#	#	#	#	#	#
09-11 LST	1	0	2	1	#	#	#	1	0	1	#	1	#
12-14 LST	#	#	#	0	1	#	0	1	1	1	1	1	#
15-17 LST	1	#	0	1	0	0	#	#	#	1	#	1	#
18-20 LST	1	2	#	0	0	0	1	0	1	#	1	2	#
21-23 LST	#	0	#	0	0	1	#	0	#	0	1	0	0
ALL HOURS	#	#	#	#	#	#	#	#	#	#	1	1	#

18. % FREQ OF CIG/VIS LT 100/.25 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	0	0	0	0	1	1	#
03-05 LST	0	0	#	#	0	0	#	#	0	#	#	1	#
06-08 LST	#	0	#	0	#	0	1	0	#	#	#	0	0
09-11 LST	1	0	1	#	#	0	0	1	0	#	0	1	#
12-14 LST	0	#	#	0	1	0	0	1	1	#	#	#	#
15-17 LST	1	#	0	1	0	0	0	0	0	#	0	1	#
18-20 LST	#	1	#	0	0	0	1	0	1	#	1	#	#
21-23 LST	0	0	#	0	0	#	#	0	0	0	1	0	0
ALL HOURS	#	#	#	#	#	#	#	#	#	#	#	#	#

SOURCE(S): 1. USAFETAC DATSAV2 SURFACE, JAN 73 - DEC 92, 3 HOURLY OBSERVATIONS.
2. NATIONAL INTELLIGENCE SURVEY, MAR 56, 20-23 YEARS OF RECORD.
NOTE: LIMITED OBSERVATIONS AVAILABLE. USE CAUTIOUSLY.

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: NAIROBI/JOMO KENYATTA, KENYA **STATION #: 637400** **ICAO: HKNA**
LOCATION: 119S 3655E **ELEVATION (FEET): 5328** **LST = GMT +3**
PREPARED BY: USAFETAC/DOC, JUL 1994 **PERIOD: 7301-9212**

SOURCE NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1. TEMPERATURE (F)													
EXTREME MAX 1	88	90	91	90	88	87	85	90	86	89	90	89	91
MEAN DAILY MAX 1	78	80	80	76	74	73	71	72	76	78	75	75	76
MEAN 1	67	69	69	67	66	63	62	63	65	67	66	66	66
MEAN DAILY MIN 1	58	58	59	61	59	56	54	54	55	58	59	59	57
EXTREME MIN 1	46	45	45	48	46	44	43	40	40	45	47	47	40
# DAYS GE 90 1	0	#	#	#	0	0	0	#	0	0	#	0	1
# DAYS LE 32 1	0	0	0	0	0	0	0	0	0	0	0	0	0
# DAYS LE 0 1	0	0	0	0	0	0	0	0	0	0	0	0	0
2. PRECIPITATION (INCHES)													
MAXIMUM 2	6.3	6.6	14.0	16.2	14.7	6.9	2.4	4.1	4.9	6.7	8.5	7.6	1.8
MEAN 2	1.4	1.6	4.5	8.3	5.1	1.8	0.5	0.8	1.0	2.1	4.5	2.7	4.3
MINIMUM 2	0.0	0.0	0.2	1.1	0.9	#	0.0	0.0	0.0	#	1.2	#	19.1
MAX 24 HR 2	2.1	2.6	1.8	2.4	3.0	3.9	0.8	1.9	1.0	3.8	2.3	1.8	3.9
# DAYS GE .004 2	4	7	14	19	17	8	3	7	4	7	16	10	116
# DAYS GE .5	*	*	*	*	*	*	*	*	*	*	*	*	*
3. SNOWFALL (INCHES)													
MEAN	*	*	*	*	*	*	*	*	*	*	*	*	*
MAXIMUM	*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR	*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 0.1	*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*
4. MEAN RELATIVE HUMIDITY (%) / VAPOR PRESSURE (IN HG) / DEWPOINT (F)													
RH (6 LST) 1	92	87	91	96	95	95	92	90	92	93	96	94	93
RH (15 LST) 1	36	34	37	51	56	50	51	50	38	36	50	46	45
VAPOR PRESS 1	.44	.42	.45	.51	.50	.44	.41	.40	.40	.43	.48	.48	.45
DEWPOINT 1	54	53	55	59	58	55	53	52	52	54	57	57	1
5. SURFACE WINDS 16 PT/KTS / 99.95% HIGHEST PRESSURE ALTITUDE (FEET)													
PVLG DRCTN 1	ENE	ENE	ENE	E	$E	$S	$S	$S	$E	E	ENE	ENE	$ENE
MEAN SPEED (PVLG DRCTN) 1	12	12	12	10	8	7	6	6	10	10	10	12	10
MEAN SPEED (ALL OBS) 1	9	9	9	7	5	5	5	5	6	8	8	9	7
MAX PEAK GUST 1	*	*	*	*	*	*	*	*	*	*	*	*	*
PRESSURE ALT 1	7115	7144	7135	7115	7115	7113	7165	7056	7018	7174	7135	7057	7174
6. MEAN CLOUD COVER (8THS) / THUNDERSTORMS / FOG / BLOWING SAND & DUST (BNBD)													
CLD COVER 1	3	3	4	5	5	5	5	5	4	4	5	4	4
DAYS TSTMS 1	1	2	3	5	2	2	1	1	1	1	2	1	21
DAYS FOG LT 7 1	3	1	2	3	3	2	1	1	1	1	3	4	26
DAYS BNBD LT 7 1	#	0	#	0	0	#	0	#	0	0	0	#	0

REMARKS: * = DATA NOT AVAILABLE # = LT 0.5 DAY, OR 0.05 INCH, OR 0.5%, AS APPLICABLE $ = % CALM GT PVLGN DRCTN
¢ = BASED ONLY ON AVAILABLE DATA, I.E. LT 24 HRS/DAY, OR LT 12 MONTH/YR
ANNUAL TOTALS MAY NOT EQUAL THE SUM OF MONTHLY TOTALS DUE TO ROUNDING

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: NAIROBI/JOMO KENYATTTA, KENYA STATION #: 637400 ICAO: HKNA
LOCATION: 119S 3655E ELEVATION (FEET): 5328 LST = GMT +3
PREPARED BY: USAFETAC/DOC, JUL 1994 PERIOD: 7301-9212

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7. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 3000/3 STATUTE MILES (MI) (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	24	21	21	38	35	29	31	26	16	22	40	47	8
03-05 LST	28	17	25	59	55	43	46	43	44	44	59	52	9
06-08 LST	32	26	40	68	66	53	60	63	57	61	75	52	9
09-11 LST	33	32	50	69	70	57	59	66	59	63	78	54	9
12-14 LST	27	25	38	72	78	65	70	67	46	50	65	44	7
15-17 LST	11	8	16	40	53	44	47	47	25	23	36	22	4
18-20 LST	8	11	11	26	39	37	47	52	31	25	20	12	2
21-23 LST	14	14	13	26	28	32	36	35	20	18	23	23	4
ALL HOURS	22	19	27	50	53	45	50	50	37	38	50	38	6

8. % FREQ OF CIG/VIS LT 1500/3 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	5	3	4	10	9	3	2	2	1	3	10	14	2
03-05 LST	13	5	7	27	21	15	11	11	14	16	28	26	4
06-08 LST	19	13	21	38	34	28	26	31	27	30	47	31	5
09-11 LST	9	8	11	20	16	13	15	18	14	12	22	14	2
12-14 LST	1	2	2	2	2	2	2	4	1	2	3	3	1
15-17 LST	1	1	#	2	2	2	1	#	1	2	2	1	#
18-20 LST	1	1	1	3	3	#	2	1	1	1	1	1	#
21-23 LST	1	1	1	4	3	2	1	2	1	1	3	2	#
ALL HOURS	6	4	6	13	11	8	8	9	8	8	15	12	2

9. % FREQ OF CIG/VIS LT 1000/2 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	4	2	2	7	5	2	1	1	#	1	7	11	2
03-05 LST	8	3	5	19	13	7	4	6	7	8	17	19	3
06-08 LST	13	9	15	22	19	12	9	12	12	13	27	20	3
09-11 LST	5	5	5	8	7	6	7	6	4	4	11	8	1
12-14 LST	#	1	1	1	1	1	1	2	1	1	2	2	#
15-17 LST	1	#	#	#	1	1	1	#	#	1	1	#	#
18-20 LST	1	1	1	1	1	#	1	#	#	#	#	1	#
21-23 LST	1	1	#	2	2	1	1	#	1	1	2	2	#
ALL HOURS	4	3	4	7	6	4	3	3	3	4	8	8	1

10. % FREQ OF CIG/VIS LT 200/0.5 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	1	#	1	2	1	1	#	1	#	1	3	5	1
03-05 LST	4	1	2	8	4	2	1	1	1	1	8	8	1
06-08 LST	6	3	7	9	7	5	3	4	3	4	9	10	2
09-11 LST	1	#	1	1	1	1	2	1	1	0	1	1	#
12-14 LST	0	#	#	#	1	#	1	1	#	1	0	#	#
15-17 LST	#	0	0	0	1	#	1	#	#	#	0	#	#
18-20 LST	0	#	0	0	0	#	#	#	0	#	0	#	#
21-23 LST	#	#	0	#	#	#	#	#	#	#	1	#	#
ALL HOURS	2	1	1	3	2	1	1	1	1	1	3	3	1

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: NAIROBI/JOMO KENYATTTA, KENYA **STATION #:** 637400 **ICAO:** HKNA
LOCATION: 119S 3655E **ELEVATION (FEET):** 5328 **LST = GMT +3**
PREPARED BY: USAFETAC/DOC, JUL 1994 **PERIOD:** 7301-9212

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11. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF THUNDERSTORMS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	#	1	2	2	#	0	0	0	0	#	1	1	#
03-05 LST	#	1	3	2	1	0	0	0	0	0	#	1	#
06-08 LST	0	1	0	1	#	#	0	0	0	0	#	0	0
09-11 LST	#	#	#	#	0	0	#	0	0	0	#	#	#
12-14 LST	0	#	#	1	1	#	#	#	#	#	#	#	#
15-17 LST	2	2	2	4	3	2	1	#	2	1	2	1	#
18-20 LST	1	3	4	10	4	3	1	1	2	1	3	2	#
21-23 LST	#	3	2	5	2	1	#	#	#	1	1	1	#
ALL HOURS	#	1	2	3	1	1	#	#	1	#	1	1	#

12. % FREQ RAIN AND/OR DRIZZLE:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	4	6	13	5	2	1	#	1	3	8	6	1
03-05 LST	4	2	6	12	6	2	1	3	1	4	9	8	1
06-08 LST	1	2	3	8	7	2	2	2	1	4	11	7	1
09-11 LST	2	1	2	6	3	2	3	3	1	4	10	5	1
12-14 LST	1	1	1	5	3	1	1	2	#	4	7	4	1
15-17 LST	3	2	3	6	5	2	1	1	2	2	4	3	1
18-20 LST	2	2	5	8	7	3	2	3	3	3	4	3	#
21-23 LST	2	4	5	10	7	3	3	2	3	4	6	5	1
ALL HOURS	2	2	4	9	5	2	2	2	2	3	7	5	1

13. % FREQ SNOW AND/OR ICE PELLETS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
03-05 LST	0	0	0	0	0	0	0	0	0	0	#	0	0
06-08 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
09-11 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
12-14 LST	0	0	0	0	0	#	0	0	0	0	0	0	0
15-17 LST	#	0	0	0	0	#	0	0	0	0	0	#	#
18-20 LST	0	#	0	0	0	0	0	0	#	0	0	0	0
21-23 LST	0	#	0	0	0	0	0	0	0	0	0	0	0
ALL HOURS	#	#	0	0	0	#	0	0	#	0	#	#	#

14. % FREQ OF SURFACE WIND SPEEDS GT 25 KTS. (INCLUDING GUSTS):

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	1	#	1	#	0	1	#	1	0	#	0	#	#
03-05 LST	#	#	#	#	#	#	#	#	#	0	#	0	0
06-08 LST	0	0	#	0	#	0	0	#	0	#	0	0	0
09-11 LST	#	#	0	0	#	#	0	0	0	#	1	#	#
12-14 LST	2	1	1	1	0	#	#	#	#	#	#	1	#
15-17 LST	1	2	3	1	1	#	#	#	#	1	#	#	#
18-20 LST	1	1	1	1	#	0	1	0	#	#	#	1	#
21-23 LST	#	1	1	#	#	#	#	#	#	#	#	#	#
ALL HOURS	1	1	1	#	#	#	#	#	#	#	#	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: NAIROBI/JOMO KENYATTA, KENYA **STATION #: 637400** **ICAO: HKNA**
LOCATION: 119S 3655E **ELEVATION (FEET): 5328** **LST = GMT +3**
PREPARED BY: USAFETAC/DOC, JUL 1994 **PERIOD: 7301-9212**

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15. % FREQ OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 800/2 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	4	2	2	7	5	2	1	1	#	1	7	11	2
03-05 LST	8	3	4	19	13	7	4	6	7	8	17	19	3
06-08 LST	13	9	14	22	19	11	9	12	12	13	26	20	3
09-11 LST	5	5	5	8	7	6	7	6	4	4	11	8	1
12-14 LST	#	1	1	1	1	1	1	2	1	1	2	2	#
15-17 LST	1	#	#	#	1	1	1	#	#	1	1	#	#
18-20 LST	1	1	1	1	1	#	1	#	#	#	#	1	#
21-23 LST	1	1	#	2	2	1	1	#	1	1	2	2	#
ALL HOURS	4	3	4	7	6	4	3	3	3	4	8	8	1

16. % FREQ OF CIG/VIS LT 500/1.5 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	1	1	6	3	1	#	1	#	1	6	8	1
03-05 LST	6	3	3	16	9	3	2	3	3	4	14	15	3
06-08 LST	10	7	12	18	13	8	6	8	7	9	19	17	3
09-11 LST	3	2	2	3	3	3	4	3	1	1	4	3	1
12-14 LST	#	1	1	#	1	#	1	1	1	1	#	1	#
15-17 LST	1	#	0	#	1	1	1	#	#	1	1	#	#
18-20 LST	1	#	#	1	#	#	1	#	#	#	#	1	#
21-23 LST	1	1	#	1	1	1	#	#	1	1	1	1	#
ALL HOURS	3	2	3	6	4	2	2	2	2	2	6	6	1

17. % FREQ OF CIG/VIS LT 300/1 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	2	#	1	3	1	1	#	1	#	1	3	6	1
03-05 LST	4	1	2	9	5	2	1	1	1	2	10	10	2
06-08 LST	7	4	7	11	9	5	3	5	3	5	11	12	2
09-11 LST	1	1	1	1	1	1	2	1	1	0	1	1	#
12-14 LST	0	1	1	#	1	#	1	1	1	1	#	1	#
15-17 LST	#	#	0	#	1	1	1	#	#	1	#	#	#
18-20 LST	1	#	#	0	#	#	#	#	0	#	0	#	#
21-23 LST	#	#	0	#	1	#	#	#	#	#	1	#	#
ALL HOURS	2	1	1	3	2	1	1	1	1	1	3	4	1

18. % FREQ OF CIG/VIS LT 100/.25 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	1	#	#	1	1	#	#	1	0	0	1	2	#
03-05 LST	2	1	1	5	2	1	1	1	#	#	5	4	1
06-08 LST	3	2	4	4	4	3	2	2	2	2	5	7	1
09-11 LST	#	0	1	#	#	#	1	1	#	#	#	#	#
12-14 LST	0	#	#	0	#	#	1	1	#	#	0	#	#
15-17 LST	0	0	0	0	1	#	#	#	#	#	0	0	0
18-20 LST	0	#	0	0	0	#	0	0	0	#	0	#	#
21-23 LST	#	#	0	#	#	#	#	#	#	0	#	0	0
ALL HOURS	1	#	1	1	1	1	1	1	#	#	2	2	#

SOURCE(S): 1. USAFETAC DATSAV2 SURFACE, JAN 73 - DEC 92, 3 HOURLY OBSERVATIONS.
2. NATIONAL INTELLIGENCE SURVEY, SEP 68, 9-34 YEARS OF RECORD.

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: TABORA ARPT, TANZANIA **STATION #: 638320** **ICAO: HTTB**
LOCATION: 505S 3250E **ELEVATION (FEET): 3904** **LST = GMT +3**
PREPARED BY: USAFETAC/DOC, JUL 1994 **PERIOD: 7301-9212**

SOURCE NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1. TEMPERATURE (F)													
EXTREME MAX 1	91	92	92	91	90	89	93	90	94	96	96	92	96
MEAN DAILY MAX 1	78	78	79	78	79	79	79	81	84	85	82	78	80
MEAN 1	72	73	73	73	73	71	71	74	77	78	76	73	74
MEAN DAILY MIN 1	68	68	68	68	66	64	63	66	70	72	71	69	68
EXTREME MIN 1	56	55	57	56	50	48	47	46	49	53	56	56	46
# DAYS GE 90 1	#	#	#	#	#	0	#	1	6	10	3	#	23
# DAYS LE 32 1	0	0	0	0	0	0	0	0	0	0	0	0	0
# DAYS LE 0 1	0	0	0	0	0	0	0	0	0	0	0	0	0
2. PRECIPITATION (INCHES)													
MAXIMUM	*	*	*	*	*	*	*	*	*	*	*	*	*
MEAN 2	4.9	5.3	6.9	5.1	0.9	0.1	0.0	#	0.3	0.6	4.3	6.4	4.8
MINIMUM	*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR 2	2.4	2.5	3.3	4.6	2.8	0.5	#	0.1	1.8	1.0	4.0	2.7	4.6
# DAYS GE .004 2	14	13	13	13	3	1	#	#	1	3	10	17	88
# DAYS GE .5	*	*	*	*	*	*	*	*	*	*	*	*	*
3. SNOWFALL (INCHES)													
MEAN	*	*	*	*	*	*	*	*	*	*	*	*	*
MAXIMUM	*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR	*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 0.1	*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*
4. MEAN RELATIVE HUMIDITY (%) / VAPOR PRESSURE (IN HG) / DEWPOINT (F)													
RH (6 LST) 1	90	91	92	91	87	81	72	63	59	63	79	89	79
RH (15 LST) 1	54	53	52	52	44	34	31	29	27	30	40	54	41
VAPOR PRESS 1	.59	.59	.59	.59	.51	.42	.38	.38	.38	.43	.52	.59	.50
DEWPOINT 1	63	63	63	63	59	53	50	50	51	54	59	63	1
5. SURFACE WINDS 16 PT/KTS / 99.95% HIGHEST PRESSURE ALTITUDE (FEET)													
PVLG DRCTN 1	$E	$E	$E	$ESE	$ESE	$ESE	$ESE	ESE	ESE	E	$E	$E	$ESE
MEAN SPEED (PVLG DRCTN) 1	7	7	8	8	9	9	9	10	9	9	8	7	8
MEAN SPEED (ALL OBS) 1	3	3	3	4	5	5	6	7	7	6	4	3	5
MAX PEAK GUST 1	*	*	*	*	*	*	*	*	*	*	*	*	*
PRESSURE ALT 1	****	****	****	****	****	****	****	****	****	****	****	****	****
6. MEAN CLOUD COVER (8THS) / THUNDERSTORMS / FOG / BLOWING SAND & DUST (BNBD)													
CLD COVER 1	5	5	4	4	3	1	1	1	2	3	4	5	3
DAYS TSTMS 1	4	3	4	2	#	0	0	#	0	1	3	4	22
DAYS FOG LT 7 1	#	#	#	#	0	#	#	0	0	0	0	#	1
DAYS BNBD LT 7 1	0	#	0	0	#	#	#	#	#	#	#	#	1

REMARKS: * = DATA NOT AVAILABLE # = LT 0.5 DAY, OR 0.05 INCH, OR 0.5%, AS APPLICABLE $ = % CALM GT PVLGN DRCTN
¢ = BASED ONLY ON AVAILABLE DATA, I.E. LT 24 HRS/DAY, OR LT 12 MONTH/YR
ANNUAL TOTALS MAY NOT EQUAL THE SUM OF MONTHLY TOTALS DUE TO ROUNDING

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: TABORA ARPT, TANZANIA | STATION #: 638320 | ICAO: HTTB
LOCATION: 505S 3250E | ELEVATION (FEET): 3904 | LST = GMT +3
PREPARED BY: USAFETAC/DOC, JUL 1994 | PERIOD: 7301-9212

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7. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 3000/3 STATUTE MILES (MI) (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	15	12	21	9	5	0	1	0	2	7	20	28	5
03-05 LST	23	14	20	14	4	1	#	2	2	9	20	26	4
06-08 LST	22	17	20	16	5	2	0	2	4	9	22	27	4
09-11 LST	21	18	18	17	7	3	1	1	1	4	19	22	4
12-14 LST	27	19	28	44	15	1	2	2	#	15	31	39	7
15-17 LST	42	37	40	58	35	12	5	4	10	14	37	40	7
18-20 LST	24	10	16	12	6	8	3	5	8	9	24	29	5
21-23 LST	17	16	20	12	7	3	2	2	3	10	25	27	4
ALL HOURS	24	18	23	23	10	4	2	2	4	10	25	30	5

8. % FREQ OF CIG/VIS LT 1500/3 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	4	2	10	0	3	0	1	0	0	2	1	1	#
03-05 LST	5	4	9	4	1	1	#	1	#	2	6	7	1
06-08 LST	4	8	6	7	2	1	0	1	0	2	6	9	1
09-11 LST	5	7	6	7	2	2	1	1	1	#	7	8	1
12-14 LST	5	2	3	4	1	1	1	#	0	#	1	4	1
15-17 LST	2	3	3	4	2	2	1	1	1	#	2	3	#
18-20 LST	1	2	3	1	0	3	2	3	3	1	3	2	#
21-23 LST	4	3	6	2	0	1	1	#	0	3	3	3	#
ALL HOURS	4	4	6	4	1	1	1	1	1	1	4	5	1

9. % FREQ OF CIG/VIS LT 1000/2 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	0	3	0	0	0	1	0	0	0	0	0	0
03-05 LST	#	1	1	0	0	0	#	1	#	1	1	3	#
06-08 LST	1	2	#	2	#	#	0	1	0	1	#	0	0
09-11 LST	3	3	3	3	#	2	1	1	1	0	2	1	#
12-14 LST	2	1	1	2	1	1	#	#	0	#	1	1	#
15-17 LST	#	#	1	2	2	2	1	1	1	0	2	1	#
18-20 LST	1	1	1	0	0	2	2	3	3	1	2	1	#
21-23 LST	1	2	1	0	0	1	1	#	0	#	1	1	#
ALL HOURS	1	1	1	1	#	1	1	1	1	#	1	1	#

10. % FREQ OF CIG/VIS LT 200/0.5 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
03-05 LST	0	1	0	0	0	0	#	1	0	1	#	1	#
06-08 LST	#	1	#	1	#	#	0	1	0	#	0	0	0
09-11 LST	1	1	#	#	0	1	0	#	0	0	1	#	#
12-14 LST	0	1	0	1	1	#	0	#	0	0	#	1	#
15-17 LST	#	#	1	1	1	1	1	1	1	0	1	1	#
18-20 LST	0	0	0	0	0	2	1	2	2	1	1	0	0
21-23 LST	0	1	#	0	0	1	0	0	0	0	1	1	#
ALL HOURS	#	1	#	1	#	1	#	1	#	#	0	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: TABORA ARPT, TANZANIA STATION #: 638320 ICAO: HTTB
LOCATION: 505S 3250E ELEVATION (FEET): 3904 LST = GMT +3
PREPARED BY: USAFETAC/DOC, JUL 1994 PERIOD: 7301-9212

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11. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF THUNDERSTORMS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	9	3	9	10	0	0	0	0	0	2	9	4	1
03-05 LST	9	5	5	1	0	0	0	#	0	0	4	6	1
06-08 LST	4	3	3	#	0	0	0	0	0	#	3	1	#
09-11 LST	2	1	1	#	0	0	0	0	0	#	1	2	#
12-14 LST	4	1	3	1	0	0	0	0	0	1	2	2	#
15-17 LST	7	8	8	6	0	0	0	0	0	2	8	8	1
18-20 LST	14	13	14	6	1	0	0	0	0	4	8	14	2
21-23 LST	10	8	13	4	1	0	0	#	0	5	8	11	2
ALL HOURS	8	5	7	4	#	0	0	#	0	2	5	6	1

12. % FREQ RAIN AND/OR DRIZZLE:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	6	3	4	13	3	0	0	1	0	0	7	15	2
03-05 LST	8	7	8	4	1	0	0	0	1	2	6	8	1
06-08 LST	6	8	6	4	1	0	0	#	1	1	10	10	2
09-11 LST	9	6	7	3	1	0	0	0	#	1	7	7	1
12-14 LST	7	1	4	3	#	0	#	0	0	1	#	4	1
15-17 LST	7	7	7	6	1	0	0	#	#	2	4	7	1
18-20 LST	11	3	3	2	2	0	0	0	0	3	5	5	1
21-23 LST	7	6	9	5	1	#	0	#	0	4	5	14	2
ALL HOURS	8	5	6	5	1	#	#	#	#	2	6	9	1

13. % FREQ SNOW AND/OR ICE PELLETS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	0	0	0	1	0	0	0
03-05 LST	0	0	0	0	0	0	0	#	0	0	0	0	0
06-08 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
09-11 LST	0	0	0	0	0	0	0	0	0	#	0	0	0
12-14 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
15-17 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
18-20 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
21-23 LST	0	0	0	0	0	0	0	0	0	#	0	0	0
ALL HOURS	0	0	0	0	0	0	0	#	0	#	0	0	0

14. % FREQ OF SURFACE WIND SPEEDS GT 25 KTS. (INCLUDING GUSTS):

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	1	0	0	1	0	1	#
03-05 LST	0	0	0	0	0	0	#	#	0	#	#	0	0
06-08 LST	#	1	0	0	0	#	0	#	#	#	0	0	0
09-11 LST	#	0	#	1	#	0	1	#	1	#	0	#	#
12-14 LST	0	0	2	0	0	1	#	1	#	1	0	0	0
15-17 LST	1	1	1	1	#	#	#	1	1	0	1	1	#
18-20 LST	0	1	0	1	0	1	1	1	1	1	0	0	0
21-23 LST	0	0	1	0	0	#	0	1	0	#	0	1	#
ALL HOURS	#	#	1	#	#	#	1	1	#	#	#	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: TABORA ARPT, TANZANIA | STATION #: 638320 | ICAO: HTTB
LOCATION: 505S 3250E | ELEVATION (FEET): 3904 | LST = GMT +3
PREPARED BY: USAFETAC/DOC, JUL 1994 | PERIOD: 7301-9212

15. % FREQ OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 800/2 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	0	3	0	0	0	1	0	0	0	0	0	0
03-05 LST	#	1	1	0	0	0	#	1	#	1	1	3	#
06-08 LST	1	2	#	2	#	#	0	1	0	1	#	0	0
09-11 LST	3	3	3	3	#	2	1	1	1	0	2	1	#
12-14 LST	2	1	1	2	1	1	#	#	0	#	1	1	#
15-17 LST	#	#	1	2	2	2	1	1	1	0	2	1	#
18-20 LST	1	1	1	0	0	2	2	3	3	1	2	1	#
21-23 LST	1	2	1	0	0	1	1	#	0	#	1	1	#
ALL HOURS	1	1	1	1	#	1	1	1	1	#	1	1	#

16. % FREQ OF CIG/VIS LT 500/1.5 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	1	0	3	0	0	0	0	0	0	0	0	0	0
03-05 LST	#	1	1	0	0	0	#	1	#	1	1	2	#
06-08 LST	#	1	#	2	#	#	0	1	0	#	0	0	0
09-11 LST	1	1	1	1	0	1	1	1	1	0	1	#	#
12-14 LST	1	1	1	2	1	1	#	#	0	#	#	1	#
15-17 LST	#	#	1	2	1	2	1	1	1	0	2	1	#
18-20 LST	1	1	0	0	0	2	2	2	3	1	1	1	#
21-23 LST	1	1	#	0	0	1	1	0	0	#	1	1	#
ALL HOURS	1	1	1	1	#	1	1	1	1	#	1	1	#

17. % FREQ OF CIG/VIS LT 300/1 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	1	0	0	0	0	0	0	0	0	0	0
03-05 LST	0	1	#	0	0	0	#	1	#	1	1	2	#
06-08 LST	#	1	#	2	#	#	0	1	0	#	0	0	0
09-11 LST	1	1	#	1	0	1	1	#	#	0	1	#	#
12-14 LST	1	1	0	1	1	1	#	#	0	#	#	1	#
15-17 LST	#	#	1	1	1	1	1	1	1	0	1	1	#
18-20 LST	1	0	0	0	0	2	2	2	3	1	1	0	0
21-23 LST	0	1	#	0	0	1	0	0	0	#	1	1	#
ALL HOURS	#	1	1	1	#	1	1	1	1	#	1	1	#

18. % FREQ OF CIG/VIS LT 100/.25 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
03-05 LST	0	1	0	0	0	0	#	1	0	#	#	1	#
06-08 LST	#	0	#	1	#	#	0	1	0	#	0	0	0
09-11 LST	1	#	#	#	0	1	0	#	0	0	1	#	#
12-14 LST	0	1	0	1	1	0	0	#	0	0	#	1	#
15-17 LST	#	#	1	#	1	1	1	1	1	0	#	#	#
18-20 LST	0	0	0	0	0	2	1	2	2	1	1	0	0
21-23 LST	0	1	#	0	0	1	0	0	0	0	1	1	#
ALL HOURS	#	#	#	#	#	1	#	1	#	#	#	#	#

SOURCE(S): 1. USAFETAC DATSAV2 SURFACE, JAN 73 - DEC 92, 3 HOURLY OBSERVATIONS
2. NATIONAL INTELLIGENCE SURVEY, MAR 56, 14-30 YEARS OF RECORD.
NOTE: LIMITED OBSERVATIONS AVAILABLE. USE CAUTIOUSLY.

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: VICTORIA FALLS, ZIMBABWE STATION #: 678430 ICAO: FVFA
LOCATION: 1806S 2551E ELEVATION (FEET): 3484 LST = GMT + 2
PREPARED BY: USAFETAC/DOC, JUL 1994 PERIOD: 7301-9212

SOURCE NO.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1. TEMPERATURE (F)														
EXTREME MAX	1	96	97	96	96	95	86	86	95	103	100	103	102	103
MEAN DAILY MAX	1	83	82	82	81	78	73	74	78	86	89	87	82	81
MEAN	1	75	74	74	71	66	61	60	66	75	78	78	75	71
MEAN DAILY MIN	1	68	67	66	62	54	50	47	54	62	67	69	68	61
EXTREME MIN	1	54	55	50	46	40	32	32	37	40	48	52	54	32
# DAYS GE 90	1	3	3	2	1	#	0	0		12	16	13	4	56
# DAYS LE 32	1	0	0	0	0	0	0	0	0	0	0	0	0	0
# DAYS LE 0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2. PRECIPITATION (INCHES)														
MAXIMUM		*	*	*	*	*	*	*	*	*	*	*	*	*
MEAN	2	7.5	6.1	3.2	0.6	0.4	#	0.0	0.0	0.1	0.6	2.6	6.4	7.5
MINIMUM		*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24 HR		*	*	*	*	*	*	*	*	*	*	*	*	*
# DAYS GE .004	2	13	12	8	2	1	#	0	0	#	2	7	12	57
# DAYS GE .5		*	*	*	*	*	*	*	*	*	*	*	*	*
3. SNOWFALL (INCHES)														
MEAN		#	#	#	#	#	#	#	#	#	#	#	#	#
MAXIMUM		#	#	#	#	#	#	#	#	#	#	#	#	#
MAX 24 HR		#	#	#	#	#	#	#	#	#	#	#	#	#
# DAYS GE 0.1		#	#	#	#	#	#	#	#	#	#	#	#	#
# DAYS GE 1.5		#	#	#	#	#	#	#	#	#	#	#	#	#
4. MEAN RELATIVE HUMIDITY (%) / VAPOR PRESSURE (IN HG) / DEWPOINT (F)														
RH (5 LST)	1	95	94	93	91	88	81	80	77	59	63	72	87	82
RH (14 LST)	1	56	57	53	41	33	31	29	25	22	27	38	54	39
VAPOR PRESS	1	.62	.61	.59	.48	.35	.28	.26	.27	.31	.40	.50	.60	.44
DEWPOINT	1	64	64	63	57	48	42	40	41	44	51	58	63	1
5. SURFACE WINDS 16 PT/KTS / 99.95% HIGHEST PRESSURE ALTITUDE (FEET)														
PVLG DRCTN	1	$E	$E	E	$E	$E	$E	$E	E	E	E	E	$E	E
MEAN SPEED (PVLG DRCTN)	1	8	7	8	7	7	8	8	8	9	9	8	8	8
MEAN SPEED (ALL OBS)	1	5	5	5	5	5	5	5	6	7	7	6	6	6
MAX PEAK GUST	1	*	*	*	*	*	*	*	*	*	*	*	*	*
PRESSURE ALT	1	****	****	****	****	****	****	****	****	****	****	****	****	****
6. MEAN CLOUD COVER (8THS) / THUNDERSTORMS / FOG / BLOWING SAND & DUST (BNBD)														
CLD COVER	1	5	5	4	3	2	2	1	1	1	3	4	5	3
DAYS TSTMS	1	7	6	5	1	#	0	0	#	#	3	7	8	39
DAYS FOG LT 7	1	#	#	#	#	#	#	#	#	0	#	0	#	2
DAYS BNBD LT 7	1	0	0	#	#	0	0	0	#	#	#	0	0	0

REMARKS: # = DATA NOT AVAILABLE # = LT 0.5 DAY, OR 0.05 INCH, OR 0.5%, AS APPLICABLE $ = % CALM GT PVLGN DRCTN
¢ = BASED ONLY ON AVAILABLE DATA, I.E. LT 24 HRS/DAY, OR LT 12 MONTH/YR
ANNUAL TOTALS MAY NOT EQUAL THE SUM OF MONTHLY TOTALS DUE TO ROUNDING

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: VICTORIA FALLS, ZIMBABWE STATION #: 678430 ICAO: FVFA
LOCATION: 1806S 2551E ELEVATION (FEET): 3484 LST = GMT + 2
PREPARED BY: USAFETAC/DOC, JUL 1994 PERIOD: 7301-9212

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7. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 3000/3 STATUTE MILES (MI) (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	8	7	4	5	1	1	0	1	0	1	1	5	1
03-05 LST	11	14	10	4	1	#	0	#	1	2	1	14	2
06-08 LST	20	25	13	8	2	1	1	1	1	2	3	18	3
09-11 LST	19	25	17	7	1	#	1	0	1	1	3	18	3
12-14 LST	7	10	5	3	#	0	#	#	#	1	2	9	1
15-17 LST	4	4	3	1	#	0	#	0	1	#	1	5	1
18-20 LST	3	5	2	1	0	#	1	0	#	1	0	4	1
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	9	11	7	4	1	#	#	#	1	1	1	9	1

8. % FREQ OF CIG/VIS LT 1500/3 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	7	7	2	5	0	1	0	0	0	1	1	4	1
03-05 LST	11	14	9	4	1	#	0	0	1	2	1	13	2
06-08 LST	19	24	13	7	2	1	#	#	1	2	2	17	3
09-11 LST	7	13	7	4	1	0	1	0	#	1	2	9	2
12-14 LST	3	3	2	2	#	0	#	#	#	1	1	4	1
15-17 LST	3	3	2	1	#	0	#	0	1	#	1	5	1
18-20 LST	3	3	2	#	0	#	1	0	#	1	0	4	1
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	7	8	4	3	#	#	#	#	#	1	1	7	1

9. % FREQ OF CIG/VIS LT 1000/2 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	7	7	2	4	0	1	0	0	0	#	1	4	1
03-05 LST	11	13	8	4	1	#	0	0	1	1	1	13	2
06-08 LST	16	23	11	6	1	#	#	#	1	1	2	15	3
09-11 LST	4	7	3	2	1	0	1	0	#	#	1	5	1
12-14 LST	2	2	1	1	#	0	#	#	0	1	#	4	1
15-17 LST	2	3	1	#	#	0	0	0	1	0	1	4	1
18-20 LST	3	3	1	0	0	#	0	0	#	1	0	3	#
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	6	7	4	2	#	#	#	#	#	1	1	6	1

10. % FREQ OF CIG/VIS LT 200/0.5 MI (SOURCE NO. 1)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	1	0	0	1	0	0	0	0	0	0	0	1	#
03-05 LST	2	#	1	1	#	#	0	0	0	#	0	1	#
06-08 LST	1	2	1	0	#	#	0	#	#	#	0	1	#
09-11 LST	0	#	#	#	0	0	#	0	0	0	0	1	#
12-14 LST	0	0	#	0	#	0	0	0	0	#	#	#	#
15-17 LST	#	#	#	0	0	0	0	0	0	0	#	1	#
18-20 LST	0	#	0	0	0	#	0	0	0	1	0	1	#
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	1	#	#	#	#	#	#	#	#	#	#	1	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: VICTORIA FALLS, ZIMBABWE **STATION #: 678430** **ICAO: FVFA**
LOCATION: 1806S 2551E **ELEVATION (FEET): 3484** **LST = GMT + 2**
PREPARED BY: USAFETAC/DOC, JUL 1994 **PERIOD: 7301-9212**

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11. PERCENTAGE FREQUENCY OF OCCURRENCE (% FREQ) OF THUNDERSTORMS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	4	7	5	0	0	0	0	0	0	4	4	5	1
03-05 LST	4	4	2	#	0	0	0	0	1	2	5	4	1
06-08 LST	2	2	1	0	0	0	0	#	1	1	2	2	#
09-11 LST	2	2	1	0	0	0	0	0	0	#	2	3	#
12-14 LST	16	10	6	#	#	0	0	0	0	3	14	18	3
15-17 LST	12	13	9	3	0	0	0	0	#	6	12	17	3
18-20 LST	18	12	7	2	0	0	0	0	0	4	11	11	2
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	7	6	4	1	#	0	0	#	#	3	6	7	1

12. % FREQ RAIN AND/OR DRIZZLE:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	12	12	4	4	0	1	0	0	0	7	8	11	2
03-05 LST	8	13	4	2	0	#	0	0	1	3	6	10	2
06-08 LST	10	11	6	3	#	#	0	0	1	4	6	12	2
09-11 LST	7	9	5	2	0	0	0	#	0	2	4	9	1
12-14 LST	12	14	5	2	#	0	0	#	#	4	8	16	3
15-17 LST	10	12	8	2	1	1	0	0	#	6	9	14	2
18-20 LST	15	14	6	3	1	0	0	0	#	5	10	15	2
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	9	11	5	2	#	#	0	#	#	4	6	11	2

13. % FREQ SNOW AND/OR ICE PELLETS:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
03-05 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
06-08 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
09-11 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
12-14 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
15-17 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
18-20 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	0	0	0	0	0	0	0	0	0	0	0	0	0

14. % FREQ OF SURFACE WIND SPEEDS GT 25 KTS. (INCLUDING GUSTS):

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	0	0	0	0	1	0	0	0	0	0	0	0	0
03-05 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
06-08 LST	0	0	0	0	#	0	0	#	#	#	#	0	0
09-11 LST	#	#	0	0	0	#	0	1	1	0	0	0	0
12-14 LST	0	0	0	#	0	0	#	1	1	#	#	0	0
15-17 LST	0	#	#	1	0	1	#	#	1	1	1	1	#
18-20 LST	0	0	0	#	#	0	#	0	#	1	0	0	0
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	#	#	#	#	#	#	#	#	#	#	#	#	#

OPERATIONAL CLIMATIC DATA SUMMARY

STATION: VICTORIA FALLS, ZIMBABWE STATION #: 678430 ICAO: FVFA
LOCATION: 1806S 2551E ELEVATION (FEET): 3484 LST = GMT + 2
PREPARED BY: USAFETAC/DOC, JUL 1994 PERIOD: 7301-9212

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15. % FREQ OF CEILING AND/OR VISIBILITY (CIG/VIS) LT 800/2 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	7	7	2	4	0	1	0	0	0	0	1	4	1
03-05 LST	10	13	7	3	1	#	0	0	1	1	1	12	2
06-08 LST	15	22	10	5	1	#	#	#	#	1	1	14	2
09-11 LST	3	6	3	2	0	0	1	0	#	#	1	4	1
12-14 LST	1	2	1	1	#	0	#	#	0	1	#	3	1
15-17 LST	2	2	1	#	#	0	0	0	1	0	1	4	1
18-20 LST	3	3	1	0	0	#	0	0	#	1	0	3	#
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	5	7	3	2	#	#	#	#	#	#	1	6	1

16. % FREQ OF CIG/VIS LT 500/1.5 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	3	4	1	2	0	1	0	0	0	0	0	2	#
03-05 LST	5	6	3	1	#	#	0	0	#	1	#	7	1
06-08 LST	5	12	6	3	1	#	#	#	#	1	#	7	1
09-11 LST	1	3	2	1	0	0	0	0	#	#	#	2	#
12-14 LST	1	#	1	#	#	0	0	#	0	1	#	2	#
15-17 LST	1	2	1	#	0	0	0	0	#	0	1	2	#
18-20 LST	2	2	1	0	0	#	0	0	#	1	0	2	#
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	2	4	2	1	#	#	#	#	#	#	#	3	#

17. % FREQ OF CIG/VIS LT 300/1 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	2	0	0	1	0	0	0	0	0	0	0	1	#
03-05 LST	2	1	1	1	#	#	0	0	#	1	0	2	#
06-08 LST	1	3	1	1	#	#	0	#	#	#	#	1	#
09-11 LST	0	1	#	#	0	0	#	0	0	0	0	1	#
12-14 LST	#	0	1	#	#	0	0	0	0	#	#	1	#
15-17 LST	1	1	#	0	0	0	0	0	#	0	#	1	#
18-20 LST	1	1	0	0	0	#	0	0	#	1	0	1	#
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	1	1	#	#	#	#	#	#	#	#	#	1	#

18. % FREQ OF CIG/VIS LT 100/.25 MI:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02 LST	1	0	0	1	0	0	0	0	0	0	0	1	#
03-05 LST	1	#	1	#	#	0	0	0	0	#	0	1	#
06-08 LST	#	1	0	#	#	#	0	#	0	#	0	#	#
09-11 LST	0	#	#	#	0	0	#	0	0	0	0	#	#
12-14 LST	0	0	0	0	#	0	0	0	0	#	#	0	0
15-17 LST	0	0	0	0	0	0	0	0	0	0	0	0	0
18-20 LST	0	#	0	0	0	#	0	0	0	0	0	1	#
21-23 LST	*	*	*	*	*	*	*	*	*	*	*	*	0
ALL HOURS	#	#	#	#	#	#	#	#	0	#	#	#	#

SOURCE(S): 1. USAFETAC DATSAV2 SURFACE, JAN 73 - DEC 92, 3 HOURLY OBSERVATIONS.
2. NATIONAL INTELLIGENCE SURVEY, DEC 55, 20 YEARS OF RECORD.

Appendix B

Paradrop Climatic Data Summaries for Burundi and Rwanda

This appendix provides summarized climatic frequencies of weather conditions suitable for paradrop operations at Bujumbura, Burundi (643900) and Kigali, Rwanda (643870); there was not enough data available from other Central African stations to run paradrop summaries. Use care in generalizing the data to other locations.

Frequencies were derived from observations taken at 3-hourly intervals.The summaries show the percent frequencies of conditions that meet all of the following criteria simultaneously:

- Ceilings at or above 2,000 feet
- Visibilities at or above 5 miles
- Sustained wind below 20 knots

PARADROP DATA SUMMARY

BUJUMBURA, BURUNDI 643900 JAN 73 TO DEC 92
PERCENT FREQUENCY OF CIG => 2000 FT/VIS => 5 MI/WINDS < 20 KTS

		00-02Z	03-05Z	06-08Z	09-11Z	12-14Z	15-17Z	18-20Z	21-23Z
JAN	%	95.5	95.5	92.5	94.4	92.4	95.6	96.1	99.0
	OBS	88	247	550	550	463	317	155	104
FEB	%	90.2	92.5	92.3	93.0	91.6	92.2	95.1	93.1
	OBS	82	226	494	427	406	257	143	101
MAR	%	94.6	91.0	92.7	92.4	89.1	89.0	96.1	95.3
	OBS	112	288	579	486	470	281	152	106
APR	%	96.6	97.6	93.4	95.0	88.7	95.0	96.4	98.3
	OBS	116	334	572	516	497	318	137	117
MAY	%	97.4	95.8	95.0	95.8	93.6	94.3	98.1	91.7
	OBS	117	309	577	524	484	333	154	109
JUN	%	97.2	96.4	91.5	92.7	87.5	94.5	99.3	96.8
	OBS	106	331	602	564	512	345	135	95
JUL	%	94.9	83.3	67.7	71.3	76.0	82.7	94.7	94.1
	OBS	98	312	576	571	499	329	133	102
AUG	%	89.8	73.9	60.0	62.5	64.3	80.7	91.0	94.2
	OBS	98	291	563	536	512	342	134	86
SEP	%	96.4	90.9	79.0	79.6	76.8	85.8	95.9	95.2
	OBS	112	317	548	501	474	330	122	83
OCT	%	95.6	94.4	92.4	91.7	83.4	91.1	96.0	98.1
	OBS	113	359	591	503	457	358	149	105
NOV	%	95.5	95.7	94.3	92.6	86.3	91.5	95.9	99.0
	OBS	112	276	507	432	423	295	146	100
DEC	%	96.7	96.0	95.3	91.6	86.6	91.2	98.1	97.3
	OBS	90	273	553	533	479	297	154	110

PARADROP DATA SUMMARY

KIGALI, RWANDA 643870 JAN 73 TO DEC 92
PERCENT FREQUENCY OF CIG => 2000 FT/VIS => 5 MI/WINDS < 20 KTS

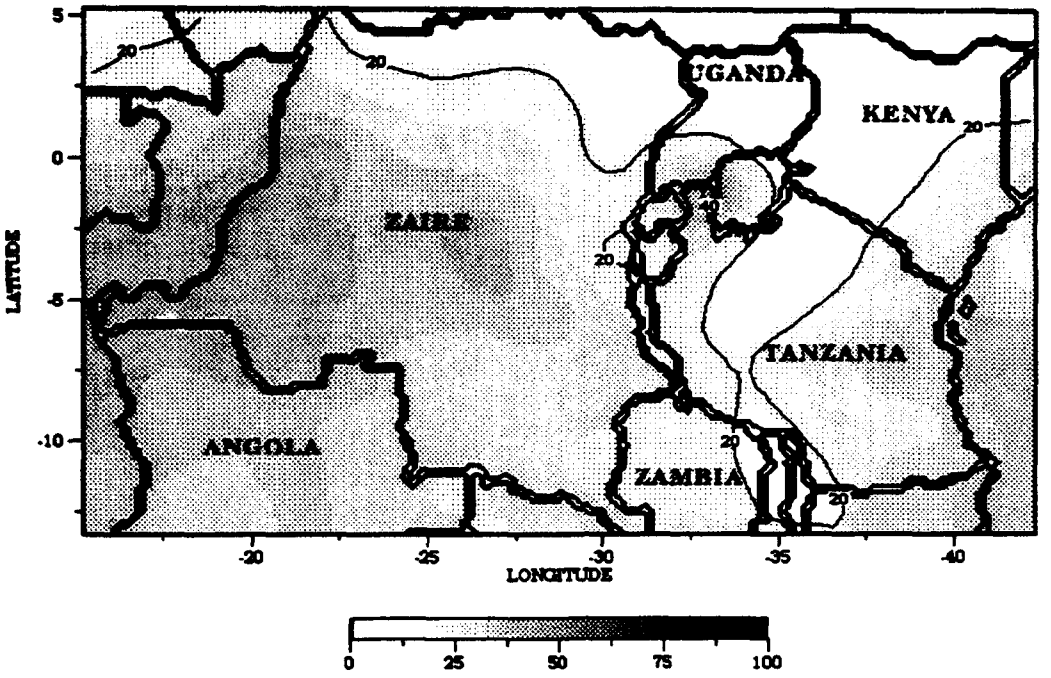
		00-02Z	03-05Z	06-08Z	09-11Z	12-14Z	15-17Z	18-20Z	21-23Z
JAN	%	91.7	79.3	77.4	89.7	92.4	93.0	97.2	94.9
	OBS	121	140	368	272	342	228	179	118
FEB	%	87.0	68.0	72.7	91.8	88.0	90.8	96.4	94.8
	OBS	123	128	322	194	267	153	139	116
MAR	%	88.1	81.0	77.1	91.4	92.3	92.2	89.8	88.1
	OBS	194	189	410	279	375	219	187	143
APR	%	85.2	76.3	70.9	90.6	93.1	90.8	90.5	87.9
	OBS	183	177	409	288	375	228	169	157
MAY	%	90.2	86.0	79.6	92.1	93.8	92.5	91.8	93.2
	OBS	164	179	402	302	404	265	184	147
JUN	%	94.2	91.1	90.9	90.8	95.9	93.8	92.8	94.1
	OBS	155	180	407	336	363	257	209	152
JUL	%	93.9	94.4	91.8	94.3	92.8	95.2	92.2	93.0
	OBS	163	143	379	331	376	252	179	129
AUG	%	92.8	89.4	88.0	95.2	95.2	95.0	93.9	97.0
	OBS	153	160	401	333	376	298	196	135
SEP	%	97.5	93.8	93.1	95.1	94.3	94.9	93.4	96.9
	OBS	204	210	478	385	438	294	212	160
OCT	%	95.5	88.1	90.0	95.8	94.0	95.1	96.5	97.4
	OBS	224	219	471	355	417	265	229	192
NOV	%	85.3	72.2	79.6	92.9	91.6	93.8	90.6	94.4
	OBS	191	162	367	295	335	224	180	125
DEC	%	90.4	75.0	76.3	94.8	92.0	94.2	97.5	93.7
	OBS	167	168	359	250	324	226	159	127

Appendix C

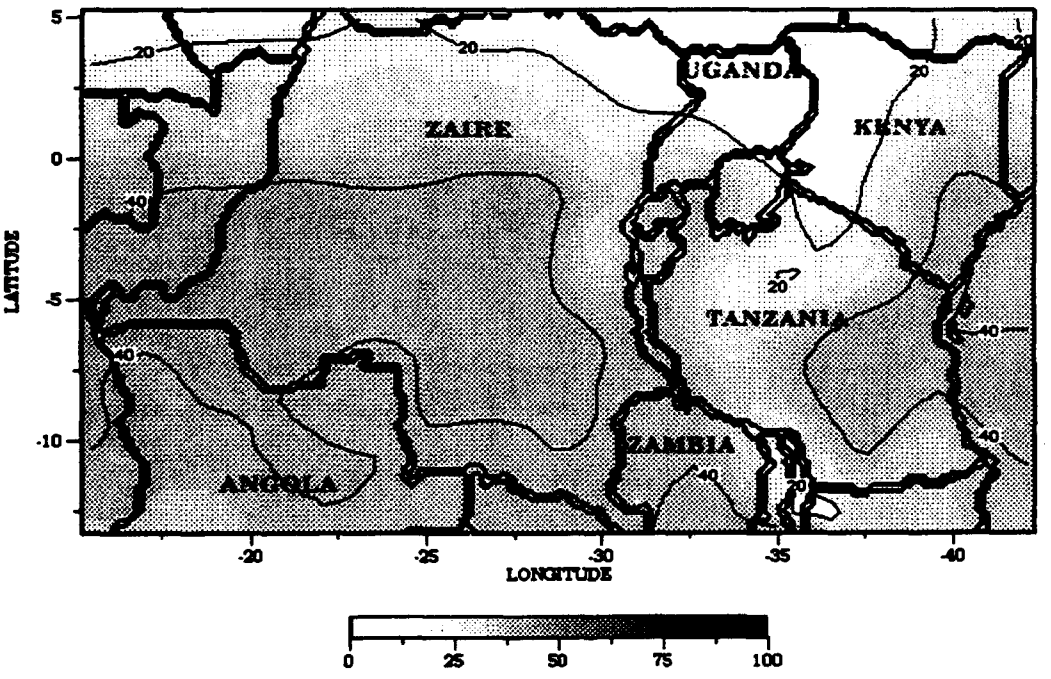
Percent Frequency of Areal Cloud Ceilings Below 6,500 Feet

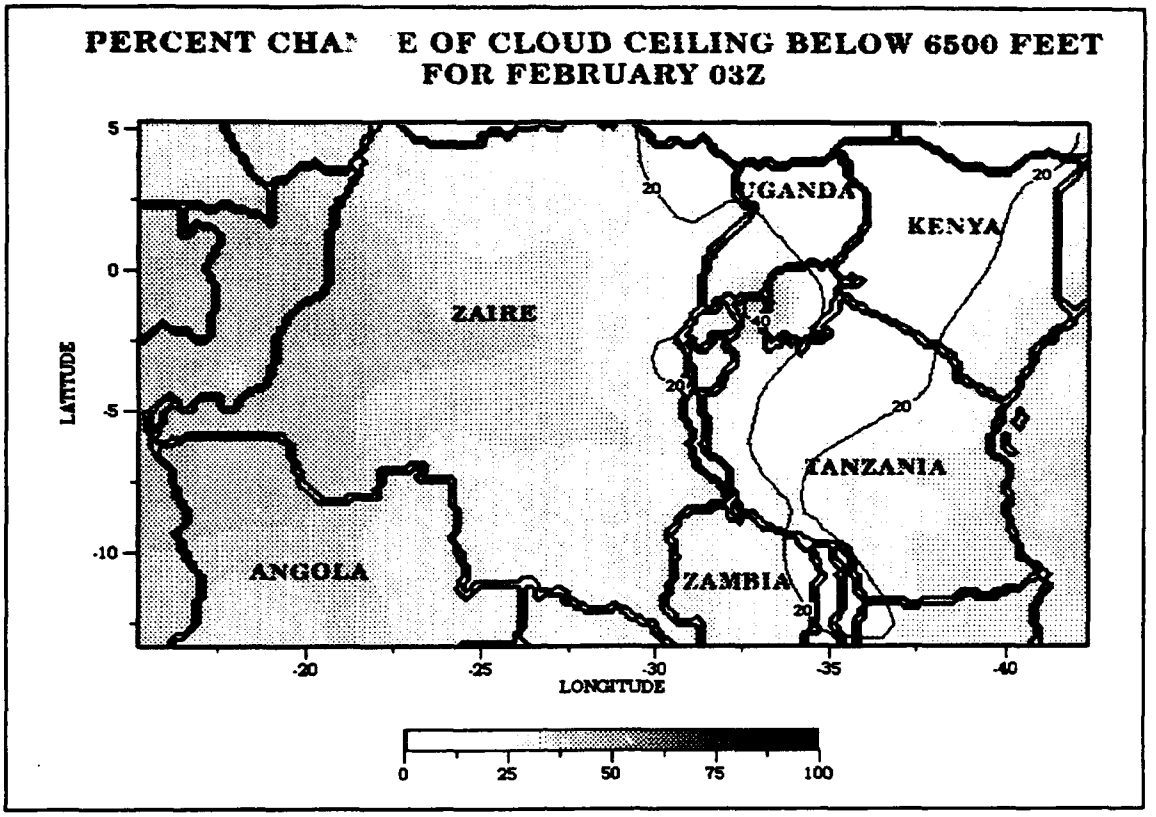
These cloud-cover charts were prepared from USAFETAC's Real-Time Nephanalysis (RTNEPH) database, which combines all available surface, upper-air, and aircraft observations with imagery acquired up to four times a day from the United States Polar Orbiting Meteorological Satellites. The period of record used for the cloud-cover charts was 1984 through 1993. These charts should be used for *general area* ceiling frequencies; individual locations may differ.

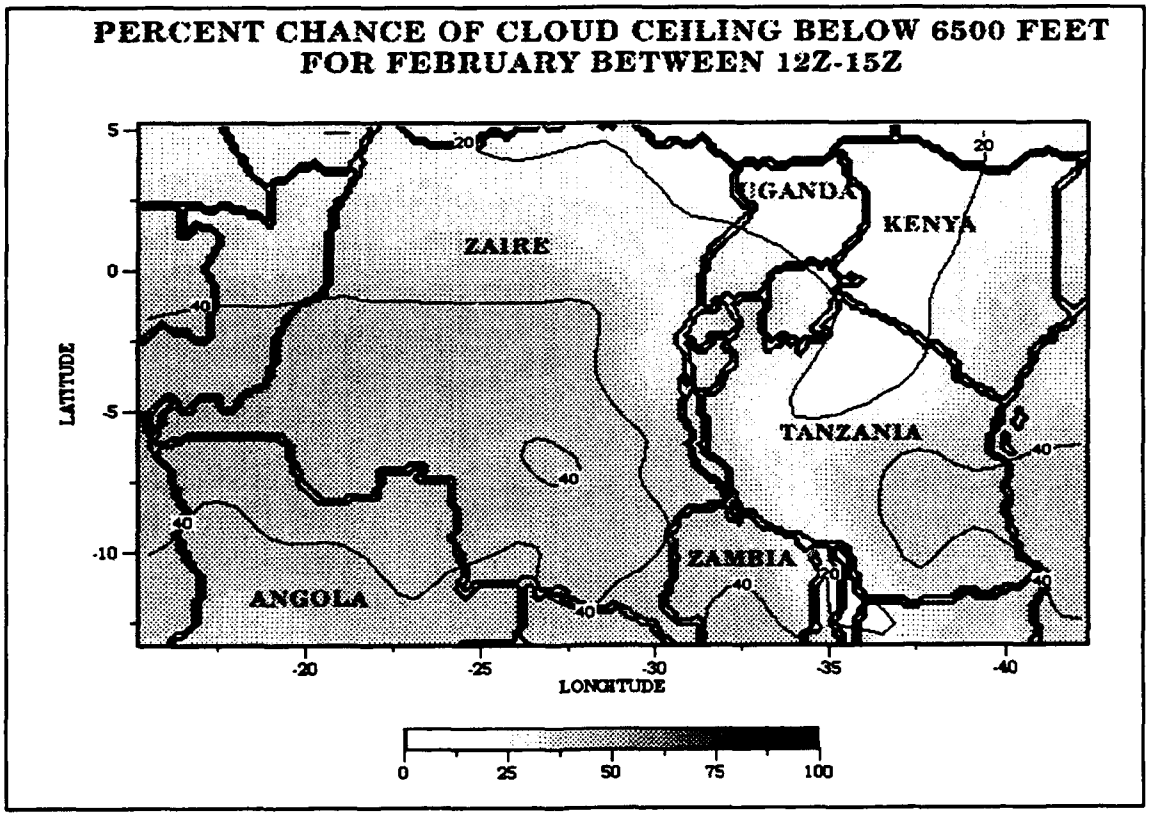
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR JANUARY 03Z



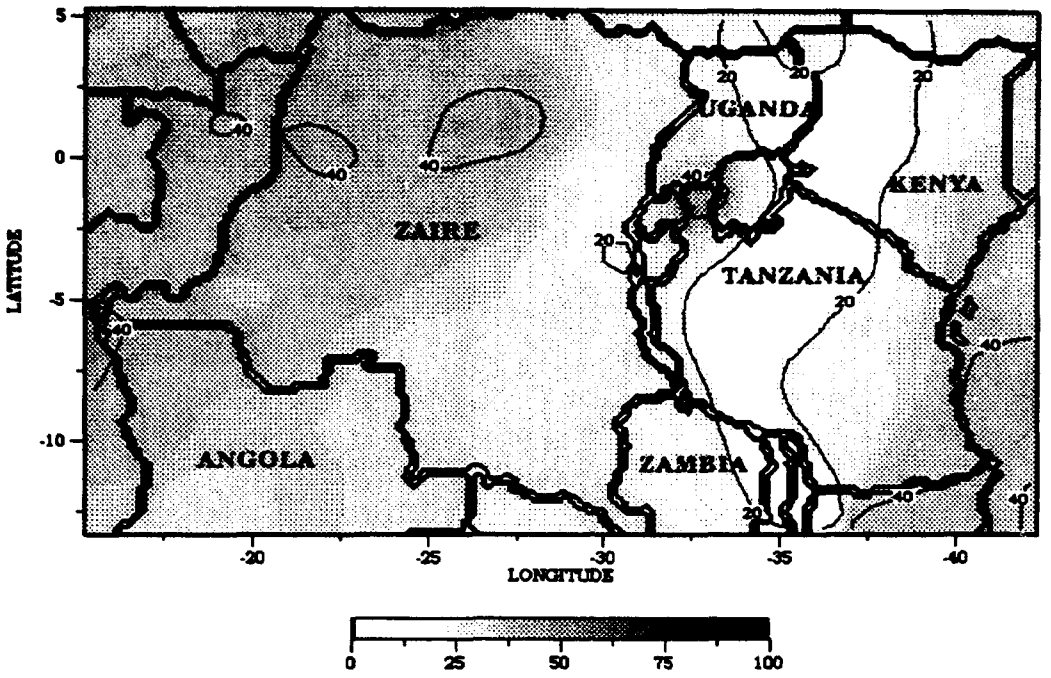
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR JANUARY BETWEEN 12Z-15Z



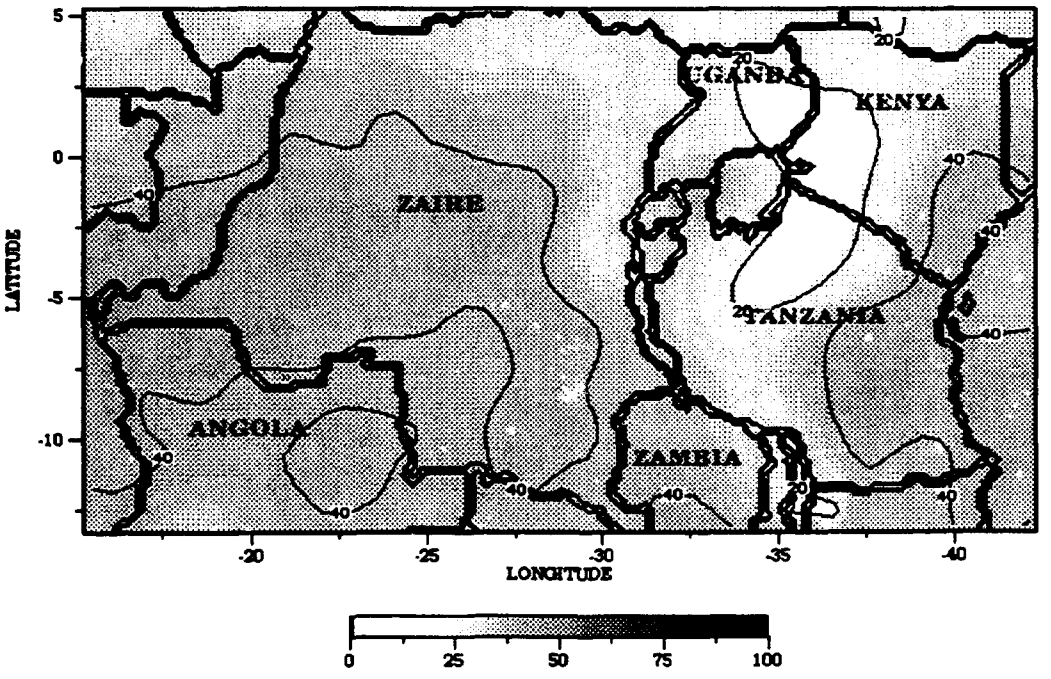

PERCENT CHA E OF CLOUD CEILING BELOW 6500 FEET
FOR FEBRUARY 03Z
UGANDA
KENYA
ZAIRE
TANZANIA
ANGOLA
ZAMBIA
LATITUDE
LONGITUDE
5
0
-5
-10
-20
-25
-30
-35
-40
20
40
0
25
50
75
100


PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET
FOR FEBRUARY BETWEEN 12Z-15Z
UGANDA
KENYA
ZAIRE
TANZANIA
ANGOLA
ZAMBIA
LATITUDE
LONGITUDE
5
0
-5
-10
-20
-25
-30
-35
-40
20
40
0
25
50
75
100

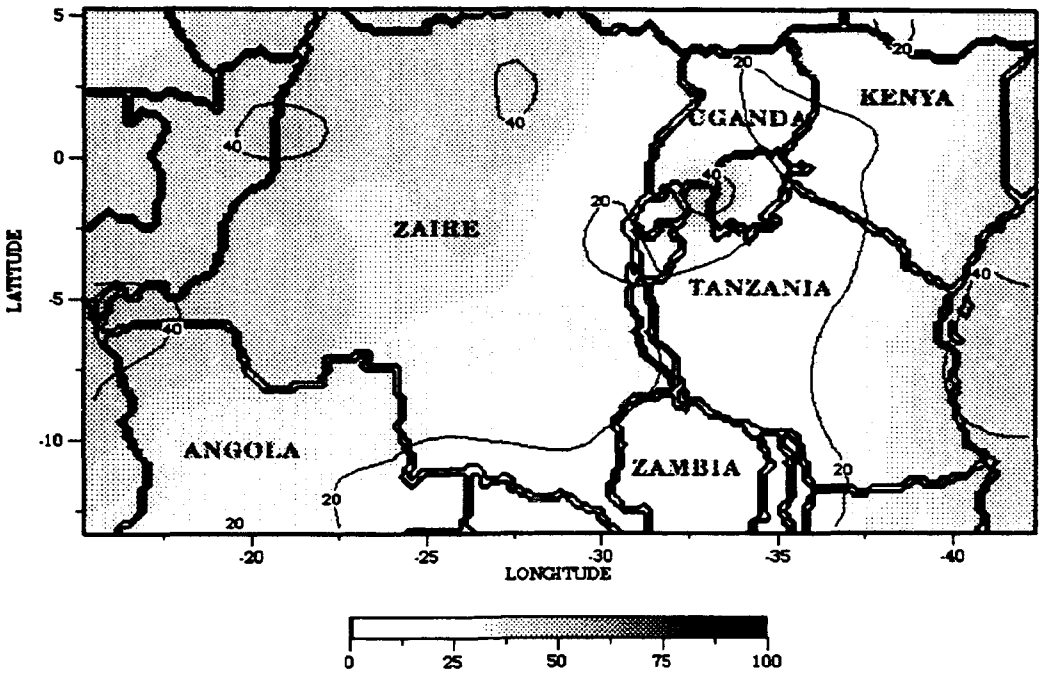
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR MARCH 03Z



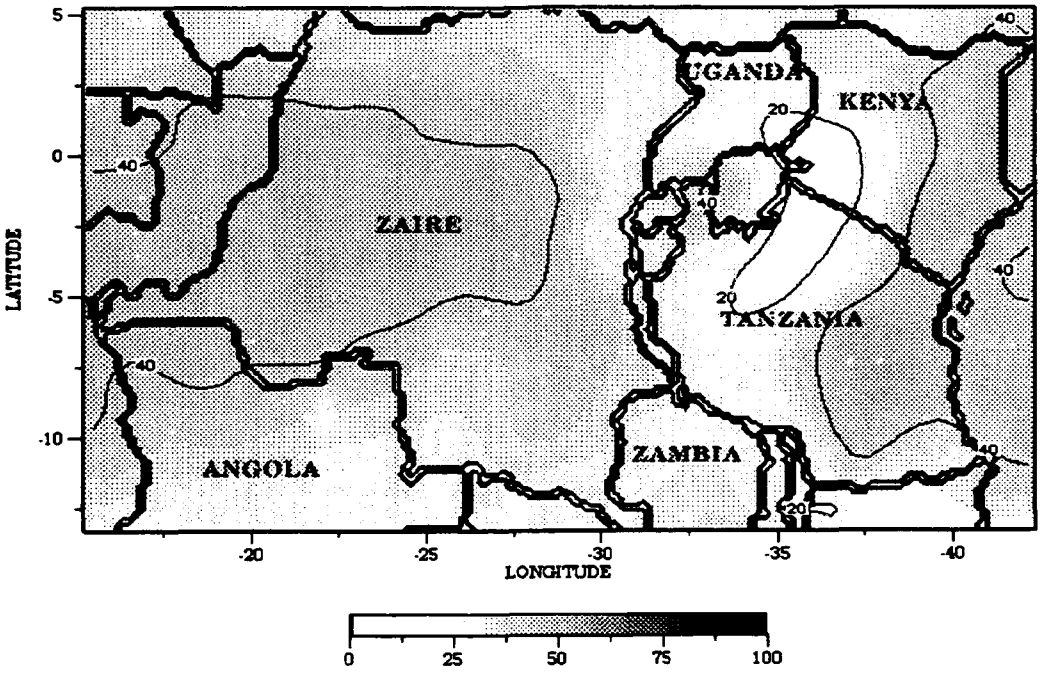
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR MARCH BETWEEN 12Z-15Z



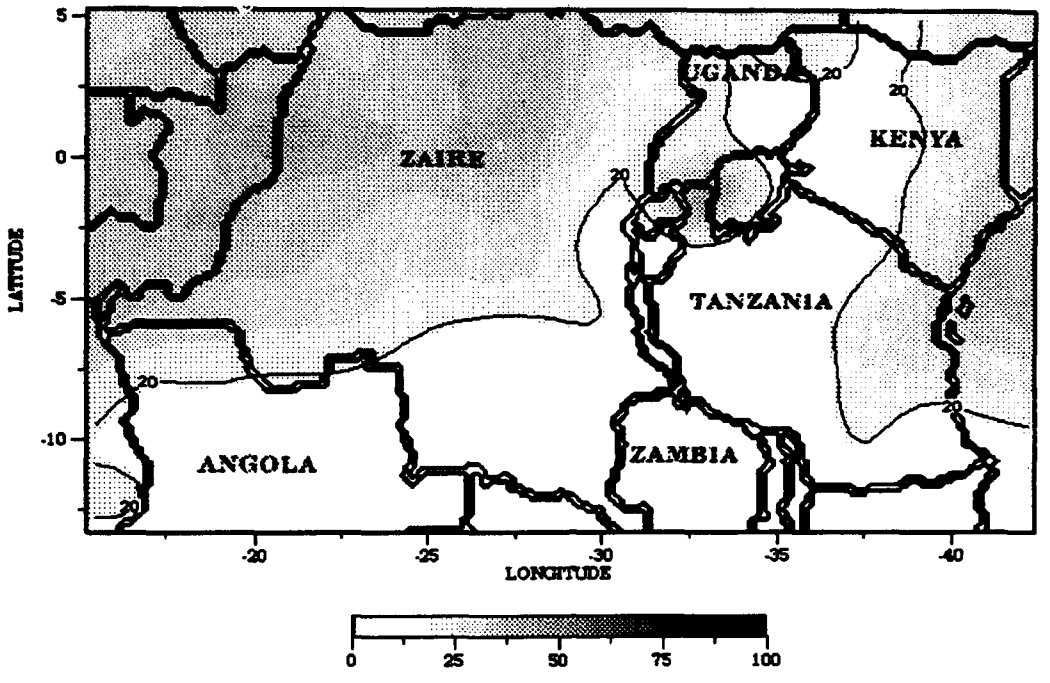
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR APRIL 03Z



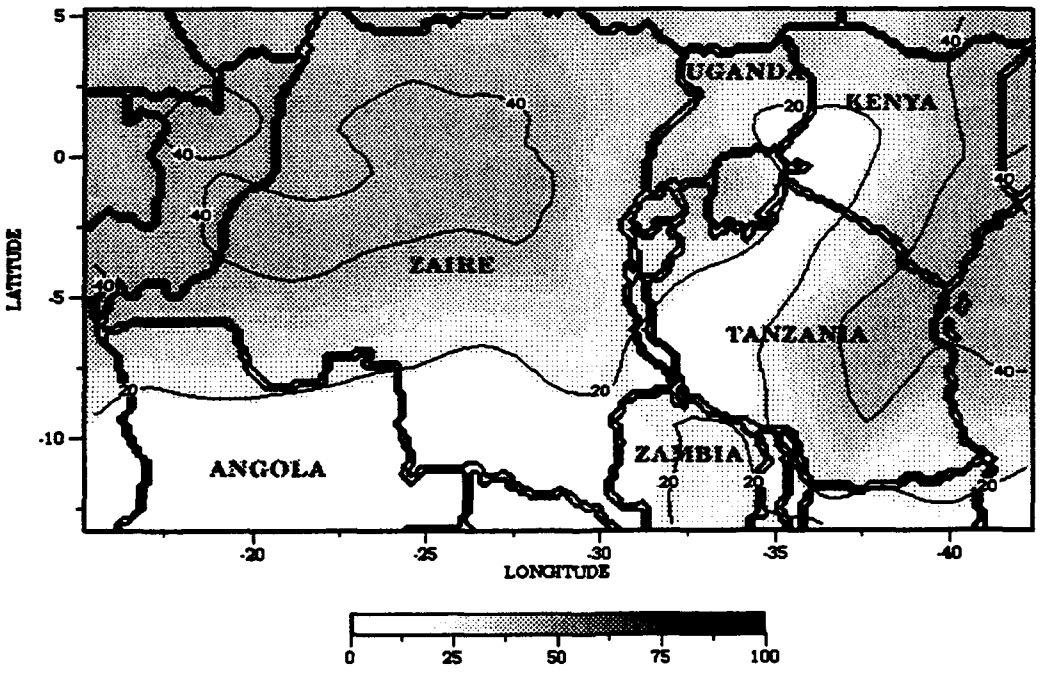
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR APRIL BETWEEN 12Z-15Z



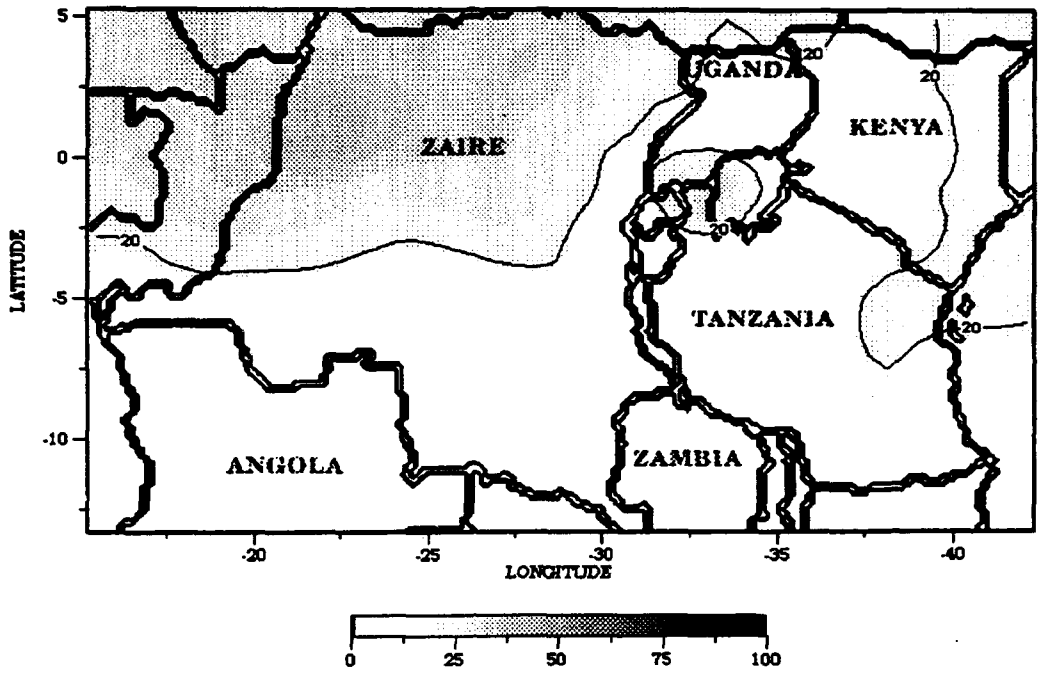
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR MAY 03Z



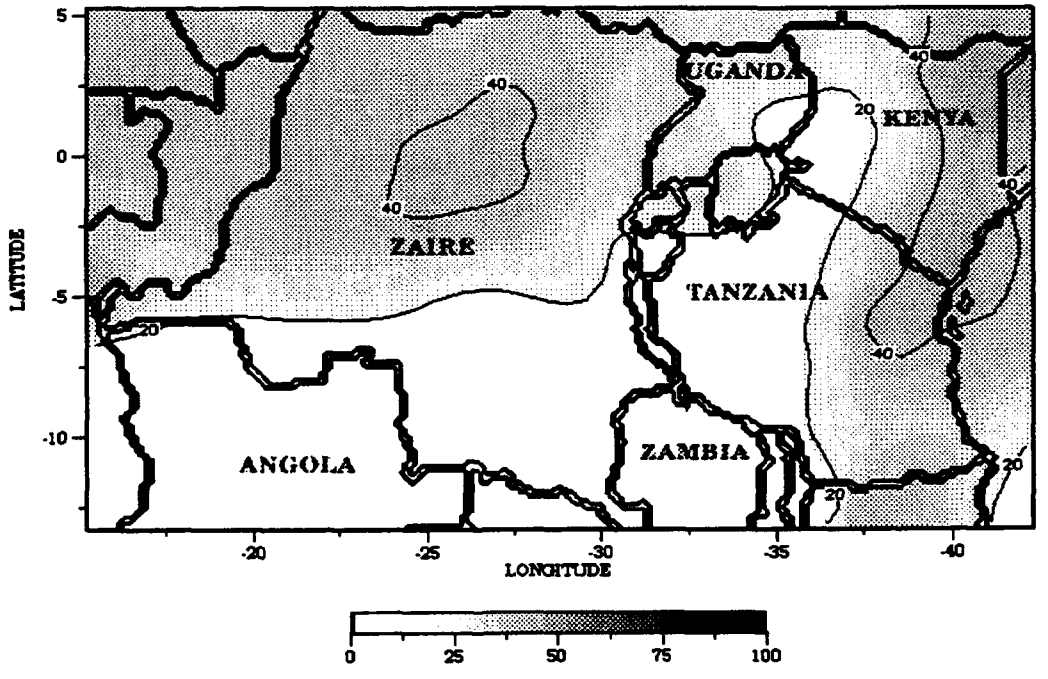
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR MAY BETWEEN 12Z-15Z



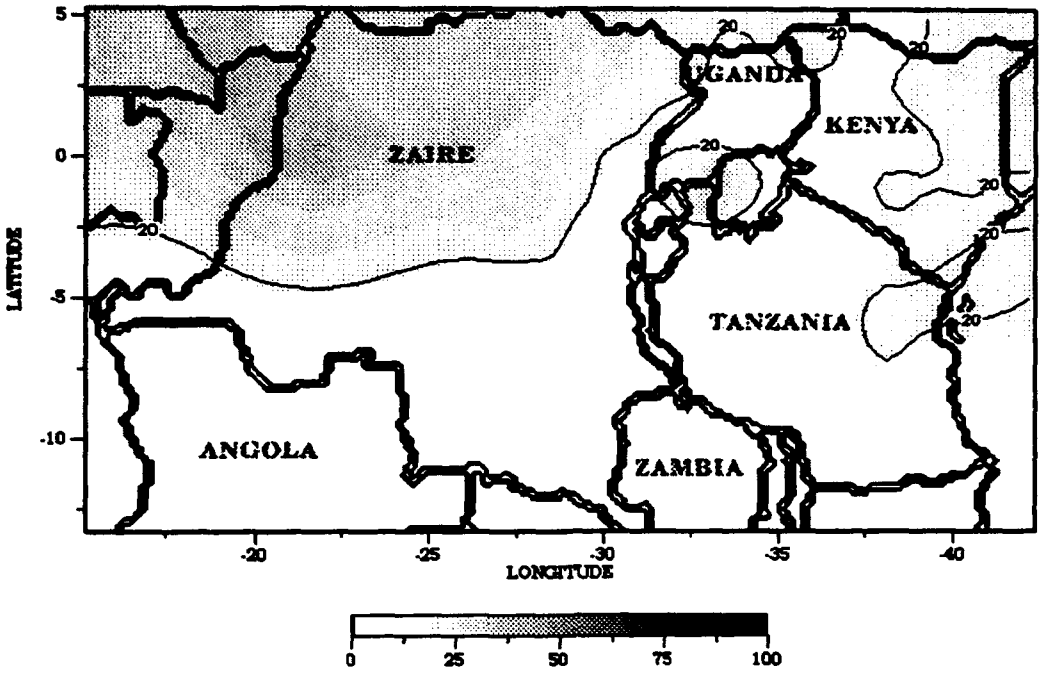
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR JUNE 03Z



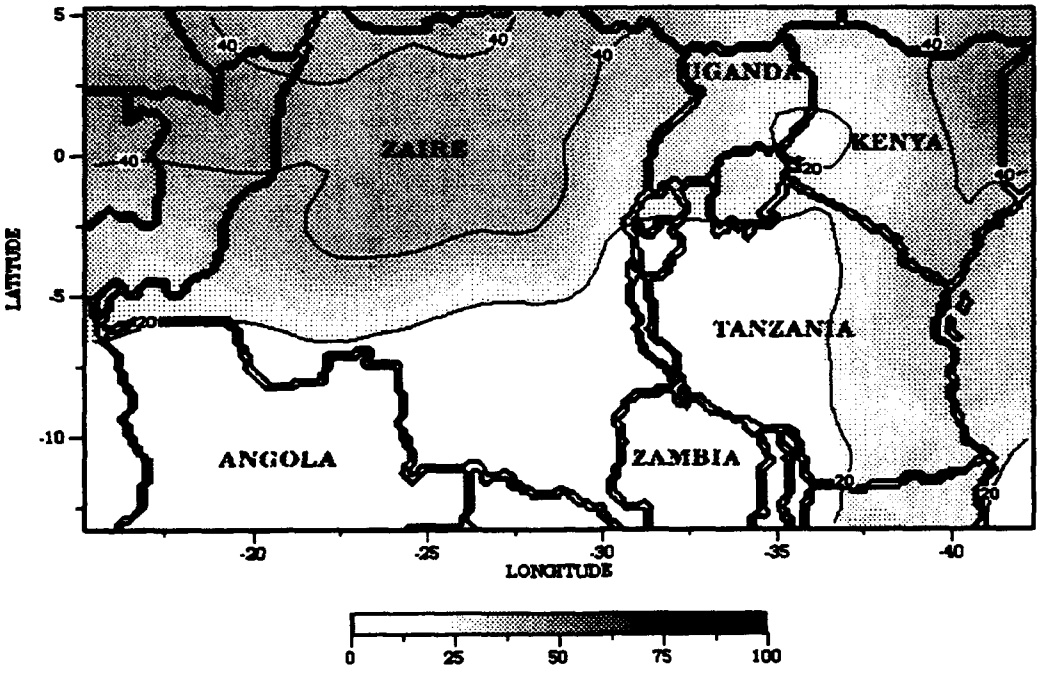
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR JUNE BETWEEN 12Z-15Z



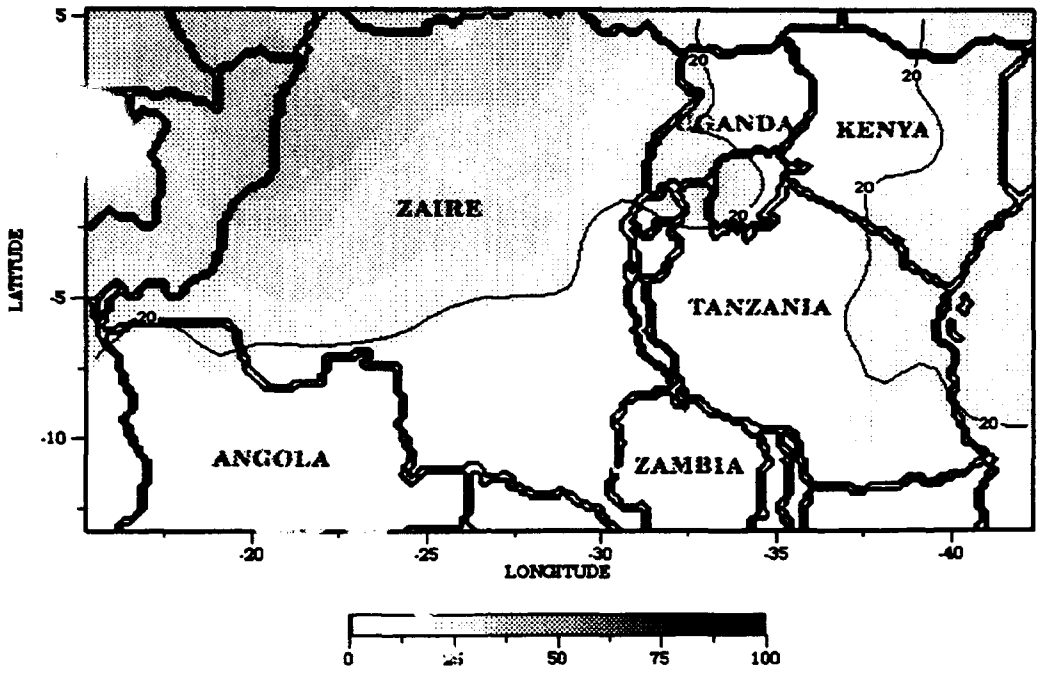
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR JULY 03Z



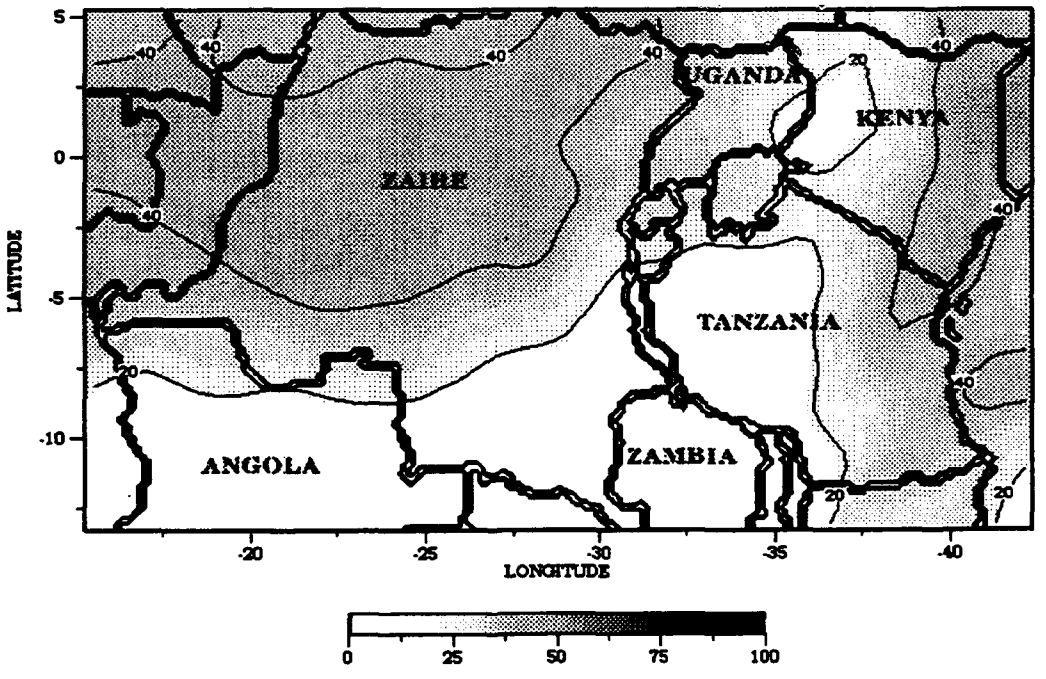
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR JULY BETWEEN 12Z-15Z



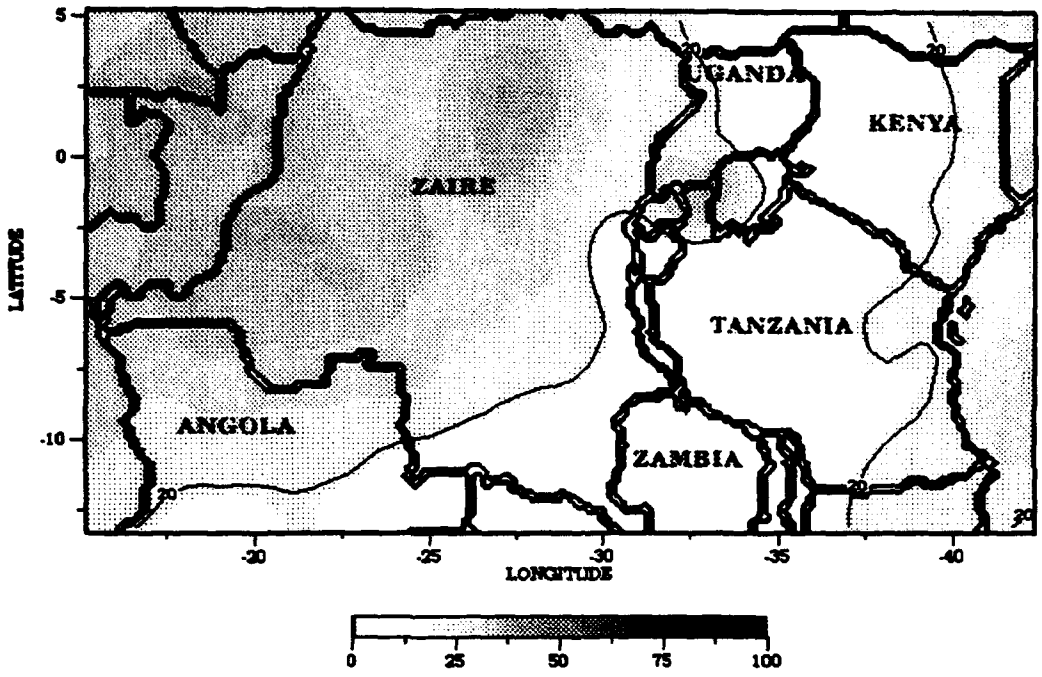
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR AUGUST 03Z



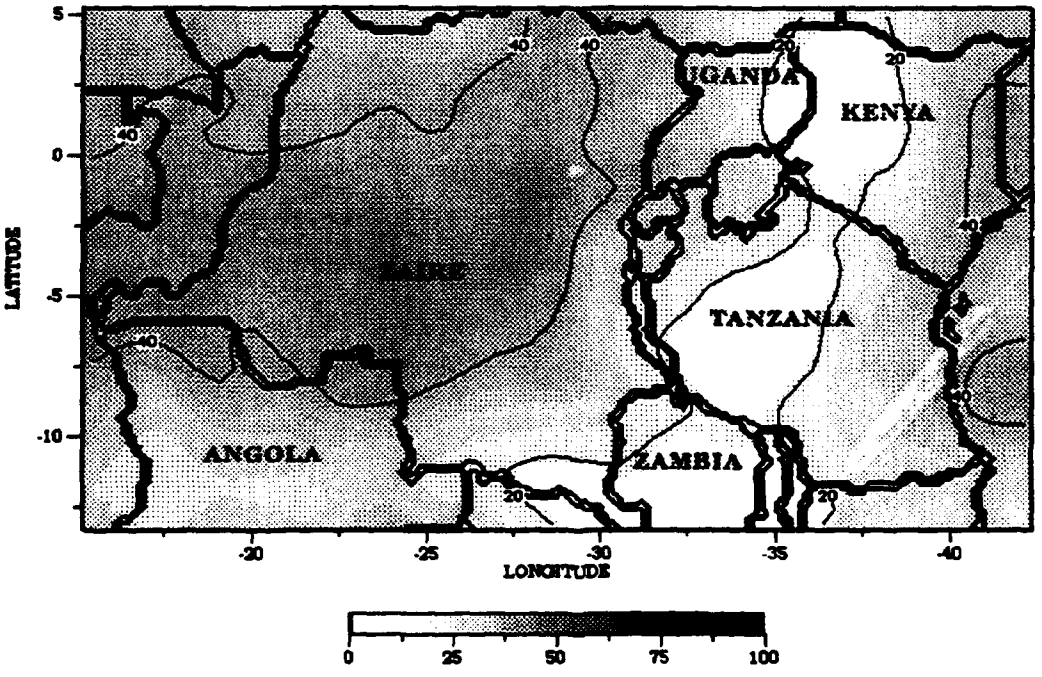
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR AUGUST BETWEEN 12Z-15Z



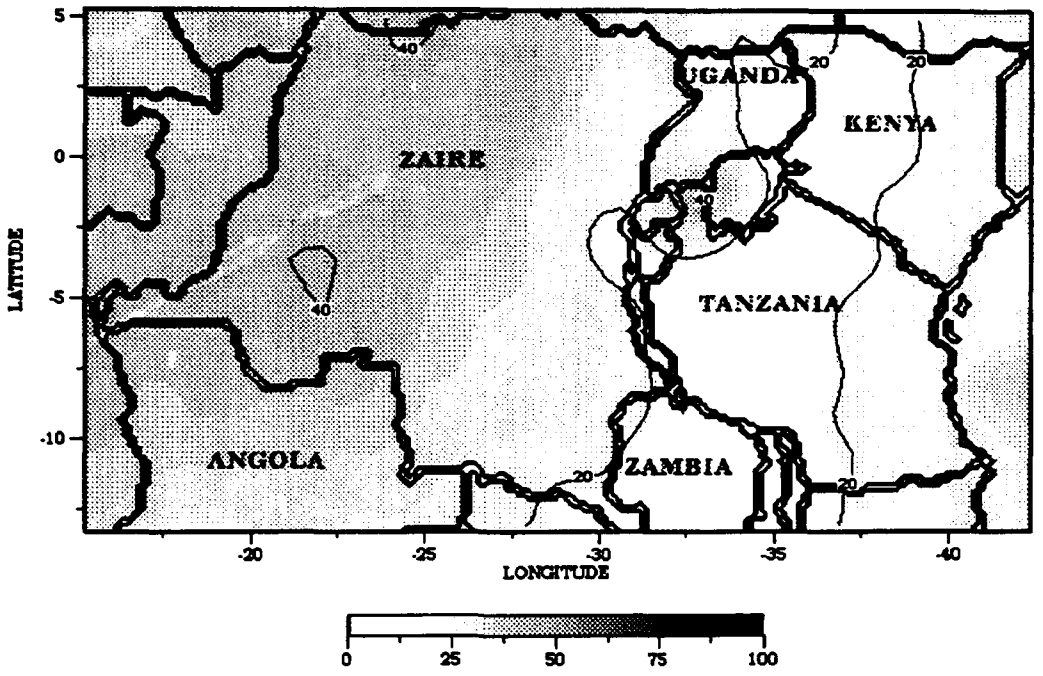
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR SEPTEMBER 03Z



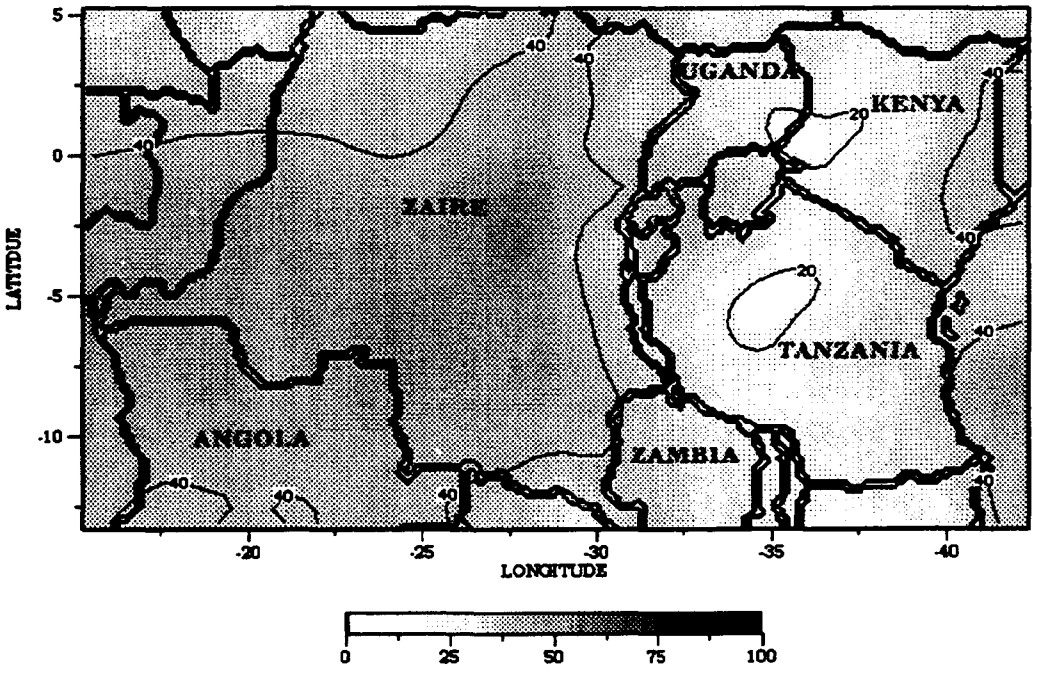
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR SEPTEMBER BETWEEN 12Z-15Z



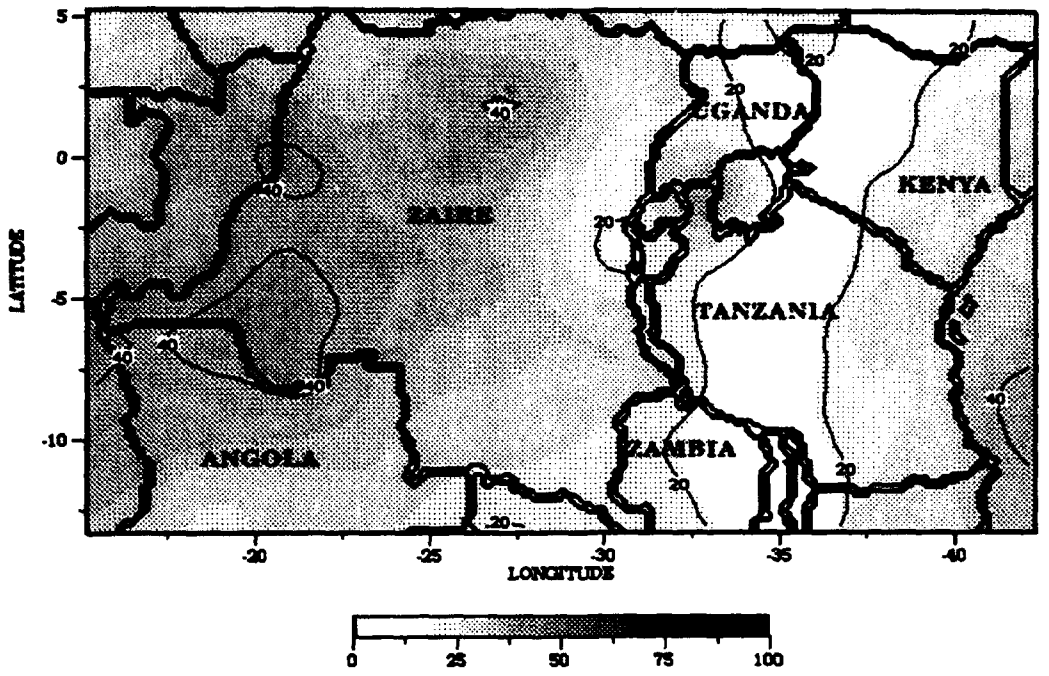
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR OCTOBER 03Z



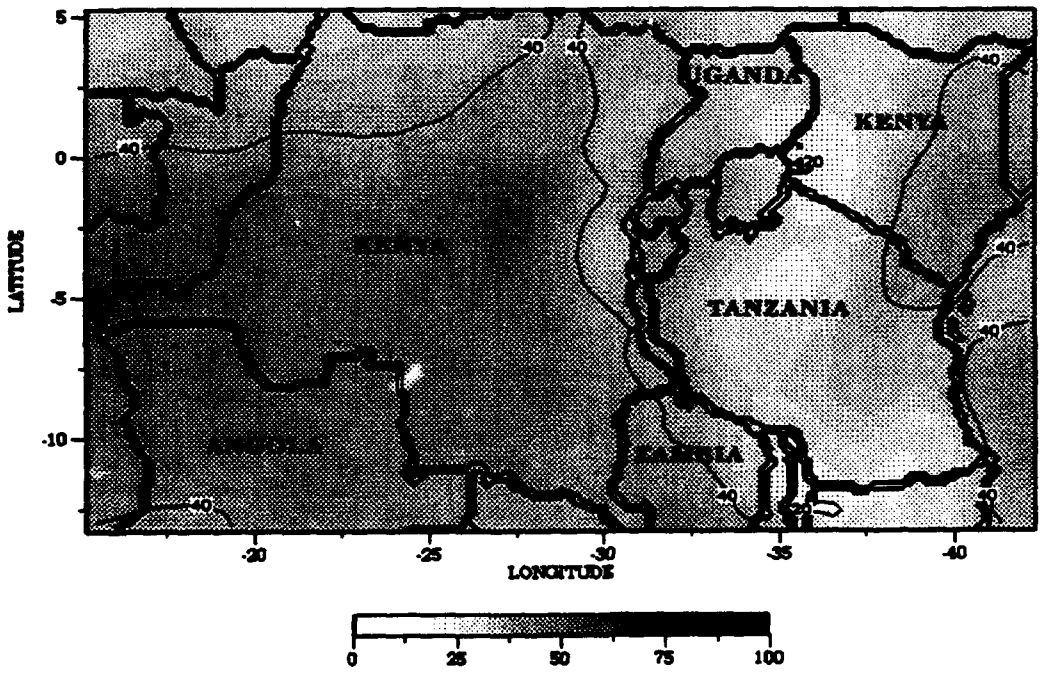
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR OCTOBER BETWEEN 12Z-15Z



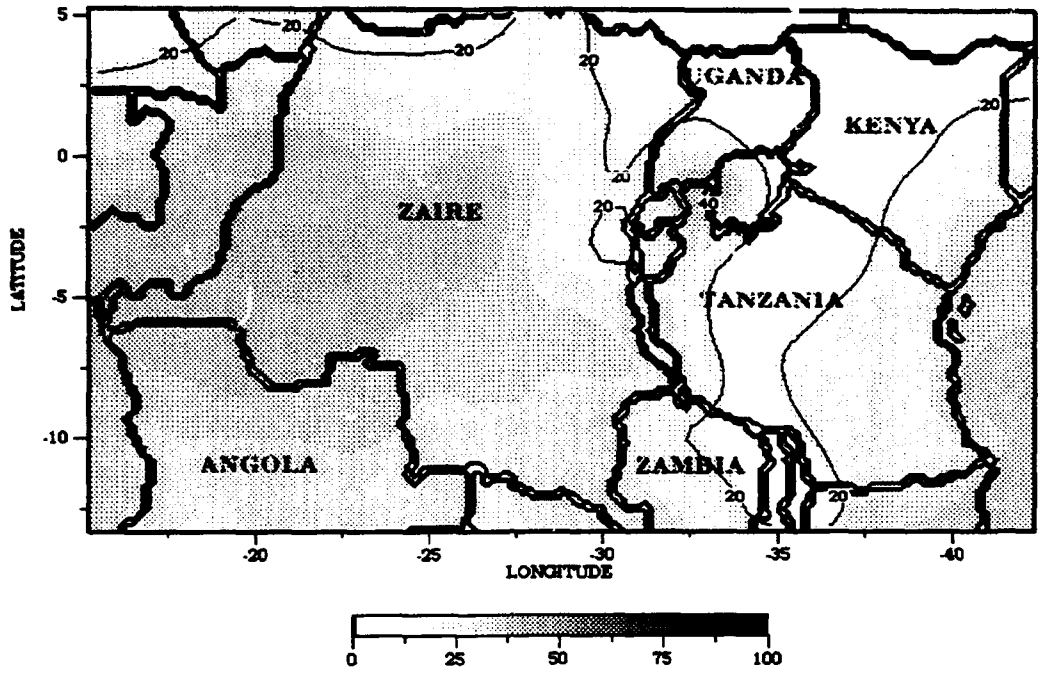
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR NOVEMBER 03Z



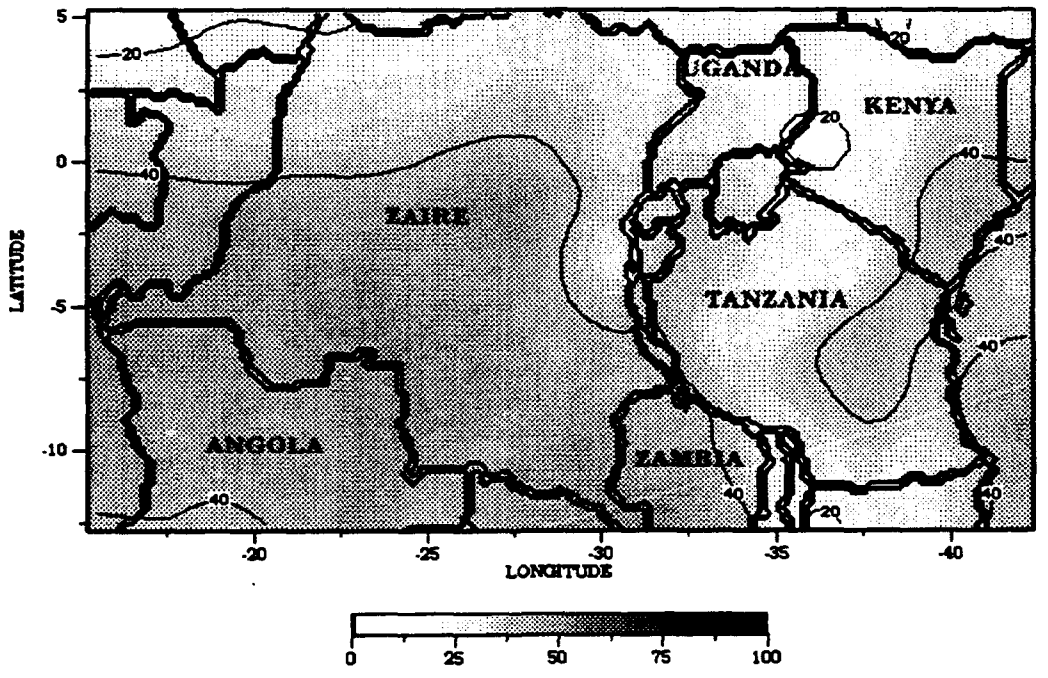
PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR NOVEMBER BETWEEN 12Z-15Z



PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR DECEMBER 03Z



PERCENT CHANCE OF CLOUD CEILING BELOW 6500 FEET FOR DECEMBER BETWEEN 12Z-15Z



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1 WS CC 190 E FLIGHTLINE RD STE 100 LANGLEY AFB VA 23665-5508 1
ACC AOS/AOW ACC WEATHER SUPPORT UNIT 205 DODD AVE STE 203A LANGLEY AFB VA 23665-2789 1
2 WS CC 245 DAVIS AVE EAST BARKSDALE AFB LA 71110-2269 1
24WS CC UNIT 0640 APO AA 34001-5000 1
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15 WS 800 HANGAR AVE HICKAM AFB HI 96853-5244 1
DET 1 15WS 1102 WRIGHT AVE WHEELER AAF HI 96854-5200 1
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673 OPS WE UNIT 12509 APO AP 96512-2250 1

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86 OSS DOWB UNIT 3230 APO AE 09094-5000 1
86 OSS DOWC UNIT 3230 APO AE 09094-5000 1
DET 4, 617 WS UNIT 7890 APO AE 09126-7890 1
10 OSS OSW UNIT 5605 BOX 175 APO AE 09470-5175 1
32 OSS WE UNIT 6795 APO AE 09719-6795 1
36 OSS DOM UNIT 3860 BOX 210 APO AE 09132-0210 1
39 OSS OSW UNIT 1075 BOX 275 APO AE 09824-0275 1
48 OSS DOM UNIT 5245 BOX 390 APO AE 09464-5390 1
52 OSS WEF UNIT 8870 BOX 270 APO AE 09126-0270 1
65 ALSS WEF APO AE 09720-7795 1
100 OSS DOW UNIT 4965 APO AE 09459-4965 1
401 OSS OGSW UNIT 6170 APO AE 09601-6170 1
435 OSS DOW UNIT 9[illegible]0 BOX 190 APO AE 09097-0190 1
7WS DO UNIT 29351 [illegible] AE 09014-5000 1
OL-A 7 WS C[illegible]527 MI OPS APO AE 09157-5000 1
OL-B 7 WS CMR 423 APO AE 09107-5000 1
OL-C 7 WS CMR 445 BOX 260 APO AE 09046-5000 1
OL-F 7 WS UNIT 31401 BOX 6 APO AE 09630-5000 1
OL-J 7 WS CMR 431 APO AE 09175-5000 1
DET 1 7 WS HQ USEUCOM ECJ3-OD-WE UNIT 30400 BOX 1000 APO AE 09128-5000 1
DET 2 7 WS UNIT 20200 APO AE 09165-9816 1
OL-A DET 2 7 WS C/O BKAD 7BN 227 AVN RGT CMR 438 APO AE 09111-500 1
DET 3 7WS UNIT 29231 APO AE 09102-3737 1
OL-A DET 3 7 WS UNIT 29719 BOX 363 APO AE 09028-5000 1
DET 7 7WS UNIT 28130 APO AE 09114-5000 1
OL-A DET 7 7WS UNIT 28216 APO AE 09173-5000 1
DET 8 7WS UNIT 25202 APO AE 09079-5000 1
DET 10 7WS UNIT 26410 APO AE 09182-0006 1
OL-A DET 10 7WS CMR 54 UNIT 31020 APO AE 09250-5000 1
OL-B DET 10 7WS UNIT 26124 APO AE 09031-5000 1
DET 13 7WS CMR 416 BOX S APO AE 09140-9998 1
DET 26 7WS UNIT 29632 APO AE 09096-5000 1

ANGRC/DOSW 3500 FETCHET AVE ANDREWS AFB MD 20331-5157 1
104 WEATHER FLIGHT BLDG 929 FT MEADE MD 20755-5430 1
105 WEATHER FLIGHT TENNESSEE AIR NATIONAL GUARD 240 KNAPP BLVD NASHVILLE TN 37217-2538 1
107 WEATHER FLIGHT SELFRIDGE ANGB MI 48045-5024 1
110 WEATHER FLIGHT 10800 NATURAL BRIDGE RD BRIDGETON MO 63044-2371 1
111 WEATHER FLIGHT ELLINGTON ANGB TX 77034-5586 1
113 WEATHER FLIGHT IN ANG HULMAN FLD TERRE HAUTE IN 47803-5000 1
116 WEATHER FLIGHT WA ANG BLDG 307 6TH ST MCCHORD AFB WA 98439-1201 1
199 WEATHER FLIGHT MCGUIRE AFB NJ 08641-6004 1
120 WEATHER FLIGHT BUCKLEY ANGB CO 80011-9599 1
121 WEATHER FLIGHT STOP 28 ANDREWS AFB MD 20331-6539 1
122 WEATHER FLIGHT NEW ORLEANS NAS LA 70143-0200 1
123 WEATHER FLIGHT PORTLAND IAP OR 97218-2797 1
125 WEATHER FLIGHT PO BOX 580340 TULSA AFS OK 74158-0340 1
126 WEATHER FLIGHT WI ANG 350 E COLLEGE MILWAUKEE WI 53207-6298 1

127 WEATHER FLIGHT FORBES FLD TOPEKA KS 66619-5000 1
130 WEATHER FLIGHT YEAGER APT CHARLESTON WV 25311-5000 1
131 WEATHER FLIGHT 1 TANK DESTROYER BLVD BARNES ANGB MA 01085-1385 1
140 WEATHER FLIGHT WILLOW GROVE NAS PA 19090-5105 1
146 WEATHER FLIGHT GTR PITTSBURG ANG AN PA 15231-0459 1
154 WEATHER FLIGHT CAMP ROBINSON NORTH LITTLE ROCK AR 72118-2200 1
156 WEATHER FLIGHT 5225 MORRIS FLD DR CHARLOTTE NC 28208-5797 1
159 WEATHER FLIGHT C O HQ FLANG STATE ARSENAL ST AUGUSTINE FL 32085-1008 1
164 WEATHER FLIGHT RICKENBACKER ANGB OH 43217-5007 1
165 WEATHER FLIGHT STANDIFORD FLD LOUISVILLE KY 40213-2678 1
181 WEATHER FLIGHT 8150 W JEFFERSON BLV DALLAS TX 75211-9570 1
182 WEATHER FLIGHT KELLY AFB TX 78241-7001 1
195 WEATHER FLIGHT BLDG 106 106 MULCAHEY DR PORT HUENENE CA 93041-4003 1
199 WEATHER FLIGHT 1102 WRIGHT AVE HICKAM AFB HI 96853-5200 1
200 WEATHER FLIGHT 5680 BEULAH RD SANDSTON VA 23150-6109 1
202 WEATHER FLIGHT OTIS ANGB MA 02542-5028 1
203 WEATHER FLIGHT FT INDIANTOWN GAP ANNVILLE PA 17003-5002 1
204 WEATHER FLIGHT MCGUIRE AFB NJ 08641-6004 1
207 WEATHER FLIGHT 3912 W MINNESOTA ST INDIANAPOLIS IN 46241-4064 1
208 WEATHER FLIGHT 206 AIRPORT DRIVE ST PAUL MN 55107-4098 1
209 WEATHER FLIGHT 2210 W 35TH ST BLDG 9 RM 119 AUSTIN TX 78703-1222 1
210 WEATHER FLIGHT 1280 SOUTH TOWER DRIVE ONTARIO ANGS CA 91761-7627 1

COMNAVOCEANCOM CODE N312 STENNIS SPACE CTR MS 39529-5000 1
COMNAVOCEANCOM CODE N332 STENNIS SPACE CTR MS 39529-5001 1
NAVOCEANO CODE N25131 ATTN BERNIE RAU BLDG 8100 RM 203D STENNIS SPACE CTR MS 39522-5001 25
NAVOCEANO CODE 9220 STENNIS SPACE CTR MS 39529-5001 1
NAVOCEANO CODE N2513 1002 BALCH BLVD STENNIS SPACE CTR MS 39522-5001 1
FNOC LIBRARIAN FLENUMOCEANEN MONTEREY CA 93943-5005 1
MAURY OCEANOGRAPHIC LIBRARY NAVAL OCEANOGRAPHY OFFICE N4312 BLDG 1003 STENNIS SPACE CTR MS 39522-5001 1
NAVAL RESEARCH LABORATORY MONTEREY CA 93943-5006 1
NAVAL RESEARCH LABORATORY CODE 4323 WASHINGTON DC 20375 1
NAVAL RESEARCH LABORATORY CODE 4180 WASHINGTON DC 20375 1
NAVAL POSTGRADUATE SCHOOL CHMN DEPT OF METEOROLOGY CODE 63 MONTEREY CA 93943-5000 1
NAVAL EASTERN OCEANOGRAPHY CTR (CLIM SECTION) U117 MCCADY BLDG NORFOLK NAS NORFOLK VA 23511-5000 1

NAVAL WESTERN OCEANOGRAPHY CTR BOX 113 ATTN TECH LIBRARY PEARL HARBOR HI 96860-7000 1
NAVAL POLAR OCEANOGRAPHY CTR 4301 SUITLAND ROAD FOB #4 WASHINGTON DC 20395-5108 1
NAVAL EUROPEAN METEOROLOGY AND OCEANOGRAPHY CTR PSC 819 BOX 31 FPO AE 09645-3200 1
NAVOCEANCOMDET FEDERAL BUILDING ASHEVILLE NC 28801-2696 1
NAVOCEANCOMDET PATUXENT RIVER NAS MD 20670-5103 1
NAVOCEANCOMFAC NAS NORTH ISLAND SAN DIEGO CA 92135-5130 1
NAVAL AIR WARFARE CENTER WEAPONS DIVISION GEOPHYSICAL SCIENCES BRANCH CODE 3254 PT MUGU CA 93042-5001 1
CMDR COMNAVSPECWARCOM ATTN N27 FORCE OCEANOGRAPHER 2000 TRIDENT WAY SAN DIEGO CA 92155-5599 1
WSO H & HS MARINE STATION WEA MCAS TUSTIN CA 92710-5000 1

ARMY TRAINING AND DOCTRINE COMMAND ATDO-IW (ATTN SWO) FT MONROE VA 23651-5000 1
75TH RGR (ATTN SWO) FT BENNING GA 31905-5000 1
CDR USASOC ATTN AOIN-ST FT BRAGG NC 28307-5200 1
JSOC WEATHER PO BOX 70239 FT BRAGG NC 28307-5000 1
ARMED FORCES MEDICAL INTEL CTR INFO SVCS DIV BLDG 1607 FT DETRICK FREDERICK MD 21702-5004 1
ARMY RESEARCH LAB BATTLEFIELD ENVIRONMENT DIR ATTN AMSRL-BE-W WHITE SANDS MISSILE RANGE NM 88002-5501 1
USA TECOM ATTN AMSTE-TC-AA WHITE SANDS MISSILE RANGE NM 88002-5504 1
NATL RANGE DIRECTORATE METEOROLOGICAL BRANCH ATTN STEWS-NE-DA-F WHITE SANDS MISSILE RANGE NM 88002-5504 1
USA TECOM ATTN AMSTE-TC-AM CAB ABERDEEN PROVING GROUND MD 21005-5001 1
US ARMY REDSTONE TECHNICAL TEST CTR ATTN STERT-TE-F-MT REDSTONE ARSENAL AL 35898-8052 1
USA TECOM ATTN AMSTE-TC-AM(BE) C O NVESD FT BELVOIR VA 22060-5677 1
USA TECOM ATTN AMSEL-RD-NV-VMD (MET) FT BELVOIR VA 22060-5677 1
DIRECTOR USA-CETEC ATTN GL-AE FORT BELVOIR VA 22060-5546 1
US ARMY INTEL CTR AND FT HUACHUCA WEATHER SUPPORT TEAM ATTN ATZS-CDI-W FT HUACHUCA AZ 85613-6000 1

PL TSML RESEARCH LIBRARY HANSCOM AFB MA 01731-5000 1
ROME LAB TECH LIB FL2810 CDR W STE 262 26 ELECTRONICS PARKWAY BLDG 106 GRIFFISS AFB NY 13441-4514 1
RL WE 26 ELECTRONICS PARKWAY GRIFFISS AFB NY 13441-4514
TECHNICAL LIBRARY DUGWAY PROVING GROUND DUGWAY UT 84022-5000 1
NOAA CENTRAL LIBRARY 1315 EAST-WEST HIGHWAY STE 2000 SILVER SPRING MD 20910-3283 1
NOAA MASC LIBRARY MC5 325 BROADWAY BOULDER CO 80303-3328 1
NOAA NESDIS ATTN NANCY EVERSON E RA22 WORLD WEATHER BLDG RM 703 WASHINGTON DC 20233 1
NGDC NOAA ATTN: AF LIAISON OFFICER MAIL CODE E GC2 325 BROADWAY BOULDER CO 80333-3328 1
NOAA NATL WEATHER SERVICE W/OSD SSMC-2 RM 12220 1325 EAST-WEST HWY SILVER SPRING MD 20910-3283 . 1
NOAA NATL WEATHER SERVICE W/OM21 SSMC-2 RM 13148 1325 EAST-WEST HWY SILVER SPRING MD 20910-3283 1
NIST PUBS PRODUCTION RM A635 ADMIN BLDG GAITHERSBURG MD 20899 1
NCDC LIBRARY FEDERAL BUILDING ASHEVILLE NC 28801-2733 1

CAPE CANAVERAL FORECAST FACILITY ROCC BLDG 81900 CAPE CANAVERAL AFS FL 32925-6537 1
DOBBINS BASE WEATHER BLDG 737 RM 113 1477 MINOSA DR DOBBINS AFB GA 30069-4821 1
DET 3 DOXW 1900 EAST FLAMINGO STE 266 PO BOX 19070 LAS VEGAS NV 89119-5116 1
WESTOVER BASE WEATHER STATION BLDG 7091 RM 123 WESTOVER AFB MA 01022-5000 1
WEATHER READINESS TRAINING CENTER (WRTC) PO BOX 465 RTE 1 CAMP BLANDING STARKE FL 32091-9703 .. 1
193 SOG DOW BLDG 19-101 RM 108 AASF #1 INDIANTOWN GAP ANNAVILLE PA 17003-5005 1
USAFA MET LIBRARY DFEG 2354 FAIRCHILD DR STE 4L19 USAF ACADEMY CO 80840-6254 1
USAFA DEPT OF ECONOMICS & GEOGRAPHY COLORADO SPINGS CO 80840-5701 1
USAFA CWOSW AIR FIELD DR BLDG 9206 USAF ACADEMY CO 80840-5000 1
HQ 5TH US ARMY AFKB-OP (SWO) FT SAM HOUSTON TX 78234-7001 1
DTIC-FDAC CAMERON STATION ALEXANDRIA VA 22304-6145 1
AUL LSE BLDG 1405 600 CHENNAULT CIRCLE MAXWELL AFB AL 36112-6424 1